

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND BUILDING PERMIT



This is to certify that AT & T MOBILITY

Located At 25 PEARL ST

Job ID: 2012-07-4422-ALTCOMM

CBL: 029- E-009-001

has permission to <u>3 wireless antenna arrays of 4 each on rooftop with ground mounted equipment shelter</u> provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of

the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED. A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

AMB PUTM.M.

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY PENALTY FOR REMOVING THIS CARD BUILDING PERMIT INSPECTION PROCEDURES Please call 874-8703 or 874-8693 (ONLY) or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.
- Permits expire in 6 months. If the project is not started or ceases for 6 months.
- If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.

Footings/Setbacks prior to pouring concrete

Close In Elec/Plmb/Frame prior to insulate or gyp

Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



Strengthening a Remarkable City, Building a Community for Life . www.portlandmaine.gov

Director of Planning and Urban Development Jeff Levine

Job ID: 2012-07-4422-ALTCOMM

Located At: 25 PEARL ST

CBL: 029- E-009-001

Conditions of Approval:

Fire

1. Installation shall comply with City Code Chapter 10.

Building

- 1. Special inspections are required for the anchoring of the pole.
- 2. A statement from the design professional indicating compliance is required to be submitted at the completion of this installation.

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Date Applied: 7/9/2012		CBL: 029- E-009-001			
Owner Name: 25 PEARL MHR LLC		PO BOX 7488			Phone:
					Phone: (978) 399-8600
Phone:		Permit Type: BLDG			Zone: B-3
above – installation wireless antenna arr four antenna each ou	of three rays of n rooftop	Cost of Work: \$90,000.00 Fire Dept: $\delta(212$ Signature: Big Pedestrian Activ	mble). 58	onditions	CEO District: Inspection: Use Group: Type: Tower IBC 000 Signature:
		1	Zoning Approval		
oes not preclude the ag applicable State and include plumbing, I if work is not started the date of issuance. alidate a building	Shorelan Wetland: Flood Zc Subdivis Site Plan	nd s pone sion	Zoning Appeal Variance Miscellaneous Conditional Use Interpretation Approved Denied Date:	Not in Dia Does not Requires Approved	
	7/9/2012 Owner Name: 25 PEARL MHR LLC Contractor Name: At&t Mobility c/o S. Communications – I Cooke Phone: Proposed Use: Same: Garage with above – installation wireless antenna arr four antenna each o –with ground mount equipment shelter : oes not preclude the g applicable State and include plumbing, I if work is not started the date of issuance. alidate a building	7/9/2012 Owner Name: 25 PEARL MHR LLC Contractor Name: At&t Mobility c/o SAI Communications – Peter Cooke Phone: Proposed Use: Same: Garage with offices above – installation of three wireless antenna arrays of four antenna each on rooftop -with ground mounted equipment shelter : Special Za oes not preclude the include plumbing, I if work is not started the date of issuance. alidate a building Maj Maj	79/2012 029- E-009-001 Owner Name: 25 PEARL MHR LLC Owner Address: 25 PEARL MHR LLC PO BOX 7488 Contractor Name: Contractor Addr At&t Mobility c/o SAI 22 Keewaydin Dri Communications – Peter Cooke Phone: Permit Type: BLDG Proposed Use: Same: Garage with offices cost of Work: above – installation of three Fire Dept: wireless antenna arrays of four antenna each on rooftop -with ground mounted signature: equipment shelter Signature: : Pedestrian Activ oes not preclude the Shoreland .g applicable State and Flood Zone .alidate a building Site Plan MajMinMINT	7/9/2012 029- E-009-001 Owner Name: 25 PEARL MHR LLC Owner Address: PO BOX 7488 PORTLAND, ME 04112 Contractor Name: At&t Mobility c/o SA1 Communications – Peter Cooke Contractor Address: 22 Keewaydin Drive, Salem NH 03079 Phone: Permit Type: BLDG Proposed Use: Cost of Work: 590,000.00 Same: Garage with offices above – installation of three wireless antenna arrays of four antenna each on rooftop –with ground mounted equipment shelter Cost of Work: 590,000.00 : Pedestrian Activities District (P.A.D.) Special Zone or Reviews applicable State and include plumbing, Special Zone or Reviews — Shoreland — Wetlands Zoning Approval — Variance — Subdivision — Site Plan 1 if work is not started the date of issuance. alidate a building Site Plan — Maj _Min _MTN _ Old Interpretation — Approved _ Denied	79/2012 029- E-009-001 Owner Name: 25 PEARL MHR LLC Owner Address: PO BOX 7488 PO BOX 7488 PO BOX 7488 PO BOX 7488 PORTLAND, ME 04112 Contractor Name: At&t Mobility c/o SAI Communications – Peter Cooke Contractor Address: 22 Keewaydin Drive, Salem NH 03079 Phone: Permit Type: BLDG Proposed Use: Same: Garage with offices above – installation of three wireless antenna arrays of four antenna each on rooftop –with ground mounted equipment shelter Cost of Work: S0,000,00 Signature: ✓ Approved ω/ condictions Denied Signature: ✓ Approved ω/ condictions Signature: Variance N/A Special Zone or Reviews Zoning Approval Special Zone

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE

10,11 email 208



General Building Permit Application

2012-07-44 22

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: 25	PEARL STREET	
Total Square Footage of Proposed Structure/An 11'6" x 20° SHELTER	rea Square Footage of Lot Bill 4	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 29 E 9001	Applicant * must be owner, Lessee or Buyer Name 47+7 MCBILITY Address 22 KEEWAYIN DAV City, State & Zip SALEM NH 030	F 78- 299- 8600
Lessee/DBA (If Applicable) AT+T Mobility	Owner (if different from Applicant) Name 25 PEARL MITE LLC	Cost Of Work: \$ 90000
C/o SAI COMMUNICATIONS 22 REENSAYDINDE	Address POB 7483	C of O Fee: \$
34LEM , UH 03079	City, State & Zip POLTLAND ME 04112	Total Fee: \$
Current legal use (i.e. single family) <u>F9</u> . If vacant, what was the previous use? <u></u> Proposed Specific use: <u>WIRELTS</u> <u>C</u> Is property part of a subdivision? <u>NU</u> Project description: <u>F002</u> AATENDU CHEN ON BUSHELLEL AM. ASSOCIATED	CABLING AND VALITES	JUJI ARRAYS OF
Contractor's name: <u>141</u> Commun. Address: <u>22</u> KEEW4Y SIN City, State & Zip <u>Steen</u> AH B Who should we contact when the permit is read Mailing address: <u>AB 894</u> WOLFE	SR 3079 By: PETER Cooker To	7344 SLACLE elephone: 774-766-1479 elephone: 978:399-8600 AETEL COOKE

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at <u>www.portlandmaine.gov</u>, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Date: Signature

This is not a permit; you may not commence ANY work until the permit is issue RECEIVED

JUL 0 9 2012

60

3-5

Dept. of Building Inspections City of Portland Maine

(See

Name: AT &T Mobility Wireless New Sire Installation Address: 25 Pearl Street Project Description:

Criteria for an Administrative Authorizations: Section 14-523 (4) on page 2 of this application)

Applicant's Assessment Planning Division Y(ycs), N(no), N/A Use Only

a) Is the proposal within existing structures?	No	No
b) Are there any new buildings, additions, or demolitions?	Yes	Yes, 3 antennas and equipment
c) Is the footprint increase less than 500 sq. ft.?	Yes	Yes
d) Are there any new curb cuts, driveways or parking areas?	No	No
e) Are the curbs and sidewalks in sound condition?	Yes	Yes
f) Do the curbs and sidewalks comply with ADA?	Yes	Yes
g) Is there any additional parking?	No	No
h) Is there an increase in traffic?	No	No
i) Are there any known stormwater problems?	No	No
i) Does sufficient property screening exist?	Yes	Yes
k) Are there adequate utilities?	Yes	Yes
I) Are there any zoning violations?	No	No
m)Is an emergency generator located to minimize noise?	N/A	Yes
n) Are there any noise, vibration, glare, fumes or other impacts?	No	No

I confirmed with Deb Andrews, Historic Preservation Manager, that the proposed site is outside of the Historic District and does not require Historic Preservation Review.

The Administrative Authorization for wireless site installation was approved by Barbara Barhydt, Development Review Services Manager on June 29, 2012 with the following condition(s) of approval listed below:

- 1. The noise attenuation as proposed shall be installed to minimize noise levels.
- 2. The emergency generator will be tested during normal business hours of 9 to 5 during the week, Monday through Friday.
- 3. The applicant shall obtain all required City Permits, including building permits from the Inspection Division (874-8703) and any other permits required from the Department of Public Services (874-8801) prior to the start of any construction.

arbara Barhydt

Barbara Barhydt Development Review Services Manager Date of Approval:



Dewberry Engineers Inc. 280 Summer Street, 10th Floor Boston, MA 02210-1131 617.695.3400 617.695.3310 fax www.dewberry.com

June 5, 2012

Gin Vilante Wellman Associates, Inc. 70 Broadway Street P.O. Box 738 Westford, MA 01886

> Re: ME2976 – Custom House Garage 25 Pearl Street Portland, ME

Dear Ms. Vilante,

AT&T Mobility has proposed to install twelve (12) antennas, each weighing approximately 41 lbs., on the building facade at the above referenced address. The existing structure is an 8 story parking structure. The antennas shall be placed on the brick penthouse, brick building facade, and CMU rear exterior wall.

Dewberry Engineers have reviewed the existing site conditions and have concluded the building appears to be in good condition and able to accommodate the proposed installation. Additionally, Dewberry has performed antenna mounting calculations to confirm the capacity of the proposed anchorage detail. These mounting details and specifications are included in Rev 0 Construction Drawings dated 06/05/12.

Our evaluation is based on the assumption that construction is performed in accordance with all applicable state and local building codes. If during construction any damage or hidden conditions are noticed, Dewberry is to be notified to assess any deviation from the assumed condition.

If you have any questions, please do not hesitate to call me at 617-531-0784.

Sincerely, Dewberry Engineers, Inc. BRADFORD A Mills Brad A. Mills, P.E. Associate Vice President

R:\50003936\50041016-Custom House Garage\Adm\Reports\Structural Letter\ME2976 Custom House Garage.docx

Dewberry Structural Calculation Summary Sheet

Job No:	50003936/50041016	By: SMC	Date: 05/30/2012
Job Name:	ME2976 – Custom House Garage	Chkdrown	Date: 5/31/2012
Location: Client:	25 Pearl Street, Portland, ME AT&T		

Site Inspection/Photos/Other Data provided by: Damian Schmalz

Brief Description:

- 1. Proposed placement of twelve (12) antennas on the existing building facade.
- 2. Existing building is an 8 story parking structure.
- 3. Reference plans are not available.
- 4. Information for analysis from site visit on 5/4/2012.

Basic Criteria:

- 1. ASCE 7-10.
- 2. AISC 13th Ed.
- 3. ME State Building Code/IBC

Design Summary:

- 1. Design and analysis of antenna mount anchor bolts based on wind load and dead load, design checks for normal bending stresses and shear.
- 2. By inspection, the existing building's structural elements have sufficient structural capacity to support the proposed equipment as shown on the plans.

HIT HY 20 for Masonry Construction



AT HY 20 Allowable Loads for Threaded HIT-A Rods in Hollow Concrete Block, Lightweight Concrete Block, Brick with Holes, Clay Tile^{1, 2}



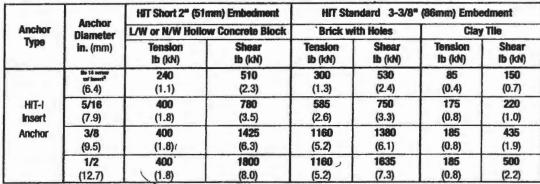
Anohor		HIT-A Short 2" (51mm) Embedment		HIT-A Standard 3-3/8" (86mm) Embedment			
Anchor	Anchor Diameter	L/W or N/W Hollo	w Concrete Block	Brick w	th Holes	Clay	Tile
Туре	in. (mm)	Tension Ib (kN)	Shear Ib (kN)	Tension ib (kN)	Shear Ib (kN)	Tension Ib (kN)	Shear ib (kN)
	1/43	255	340	365	305	130	100
	(6.4)3	(1.1)	(1.5)	(1.6)	(1.4)	(0.6)	(0.4)
HIT-A	5/16	370	505	565	530	150	220
Rod	(7.9)	(1.6)	(2.2)	(2.5)	(2.4)	(0.7)	(1.0)
Anchor	3/8 (9.5)	525 (2.3)	790 (3.5)	775 (3.4)	930 (4.1)	150 (0.7)	220 (2.2)
	1/2 (12.7)	'525 (2.3)	1230 (5.5)	775	1375 (6:1)	150 (0.7)	500 (2.2)

1 Based on using a safety factor of 6 for tension and 4 for shear.

2 Due to wide strength variations encountered in masonry, these values should be considered as guide values.

3 1/4" anchor diameter installed at 2" embedment in brick with holes and clay tile.

HIT HY 20 Allowable Loads for Threaded HIT-I Inserts in Hollow Concrete Block, Lightweight Concrete Block, Brick with Holes, Clay Tile^{1, 2}



1 Based on using a safety factor of 6 for tension and 4 for shear.

2 Due to wide strength variations encountered in masonry, these values should be considered as guide values.

3 1/4" anchor installed at 2" embedment in brick with holes and clay tile.

Anchor Spacing and Edge Distance Guidelines

Brick with Holes & Muiti-Wythe Brick Walls Spacing:

 $s_{cr} = s_{min} = Tiwo$ (2) complete bricks in any direction

Edge Distance:

 $c_{cr} = c_{min} =$ Two (2) complete bricks, or 16" (406 mm) in any direction (whichever is less.)

Visit Hilti Online S www.us.hilti.com US www.ca.hilti.com Canada

Clay Tile

Spacing:

 $s_{er} = s_{min} = One (1)$ anchor per tile cell

Edge Distance:

 $c_{cr} = c_{min} = 12"$ (305 mm) from free edge

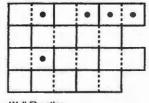
Hollow, Normal Weight & Lightweight Concrete Block

Spacing:

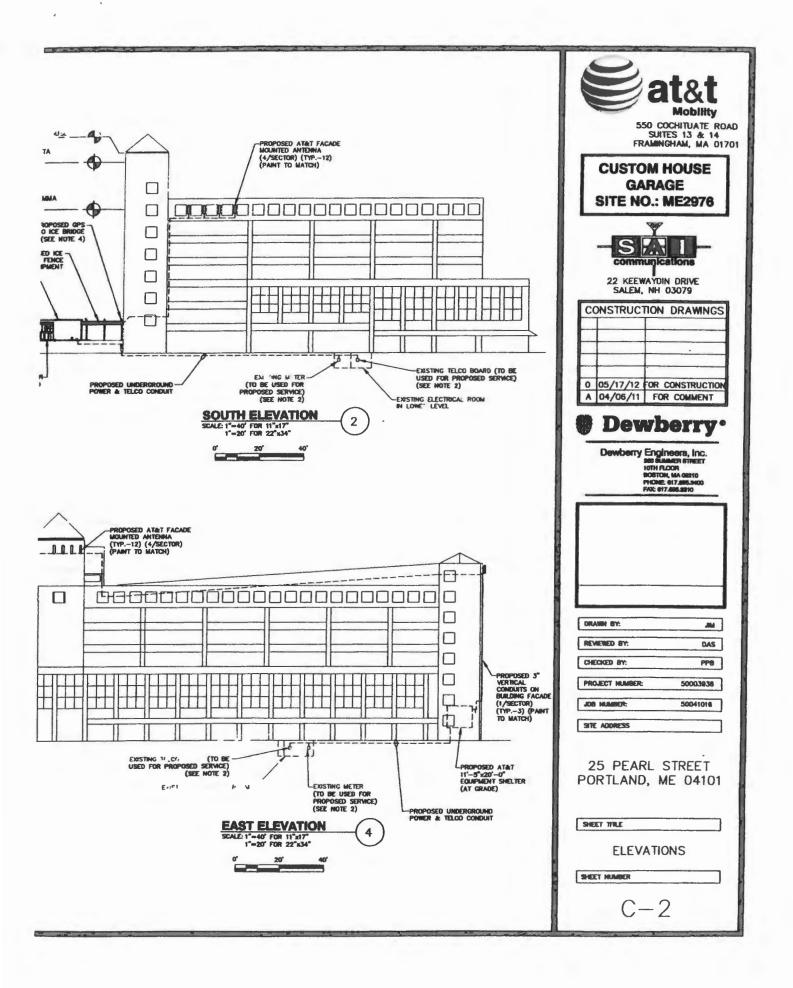
ser = smin = One (1) anchor per block cell

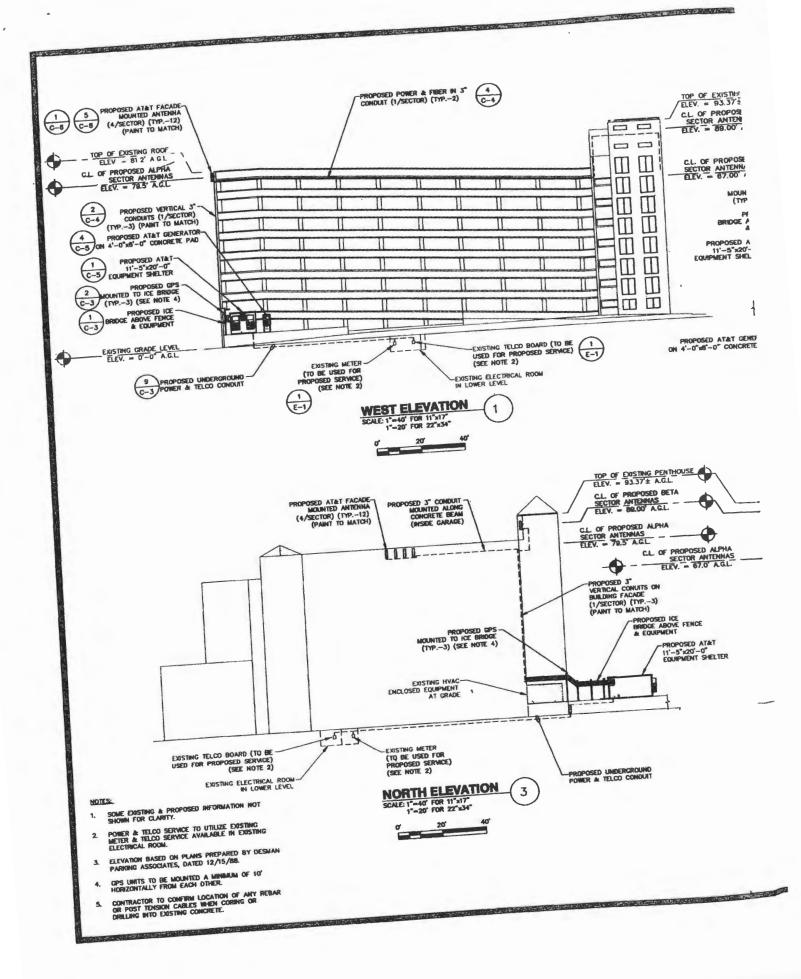
Edge Distance:

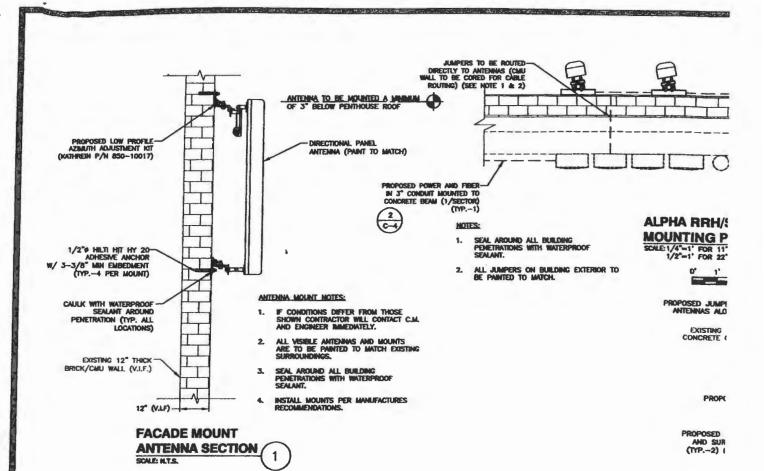
 $c_{cr} = c_{min} = 12^{\circ}$ (305 mm) min. from free edge



Wall Elevation





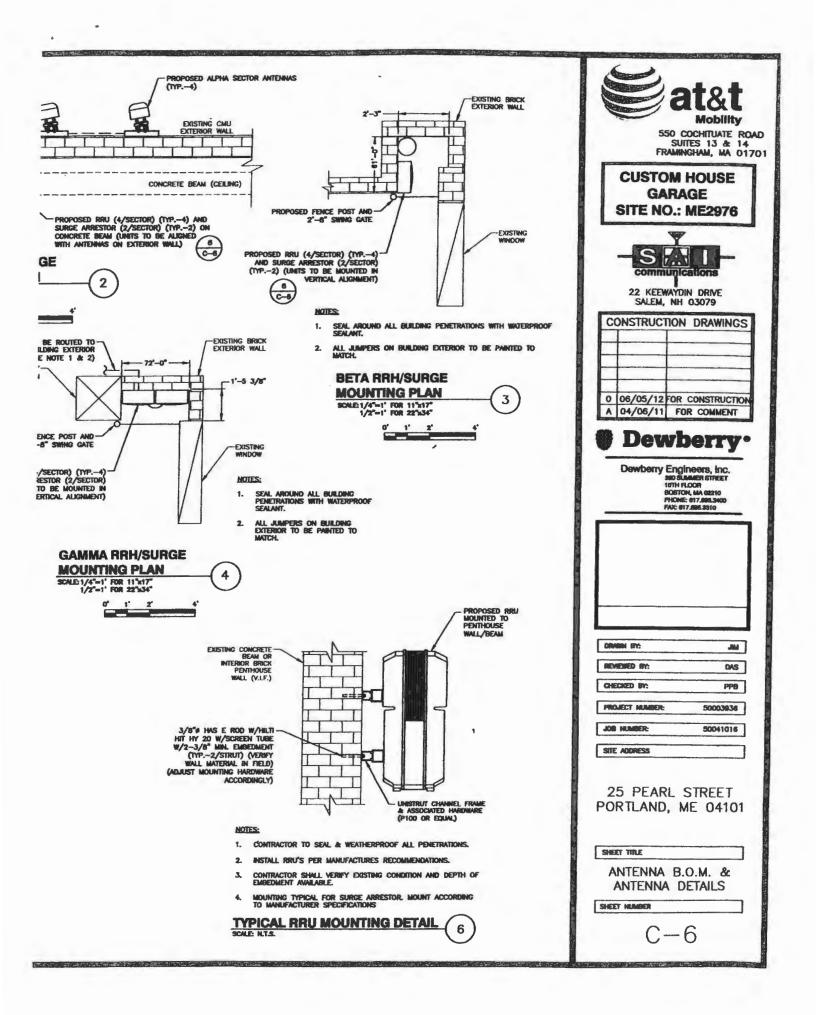


SECTOR	STATUS	COLOR CODE	ANTENNA	COAX CABLE FEED LOC	AZIMUTH (TRUE NORTH)	RAD	CABLE LENGTH	CABLE	MECHANICAL DOWNTILT	RRU	DIPLEXER
A	PROPOSED	ir & ur	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5	2 @ 155'	FIBER	σ	(1) ERICSSON RRUS-11	-
NA.	PROPOSED	HR & MR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5	-	FIBER	o	(1) ERICSSON RIRUS-11	-
	PROPOSED	VR & VIR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5'	-	FIBER	or	(1) ERICSSON RRUS-11	-
BA	PROPOSED	VR & VIR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5	-	FIBER	or	(1) ERICSSON RRUS-11	-
IB	PROPOSED	18 & 88	POWERWAVE P65-15-XLH-RR	BOTTOM	TED	89.0°	2 0 341'	FIBER	or	(1) ERICSSON RRUS-11	-
IB	PROPOSED	IIB & MB	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	69.0'	-	FIBER	σ	(1) ERICSSON RRUS-11	-
88	PROPOSED	VB & VB	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	89.0'	-	FIBER	œ	(1) ERICSSON RIRUS-11	-
MB	PROPOSED	VB & VIB	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	89.0*	-	FIBER	σ	(1) ERICSSON RRUS-11	-
IG	PROPOSED	IG & IG	POWERWAVE P65-15-XLH-RR	BOTTOM	TED	67.0'	2 @ 387'	FIBER	ø	(1) ERICSSON RRUS-11	-
NG	PROPOSED	BG & NG	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	67.0	-	FIBER	o	(1) ERICSSON RRUS-11	-
MG	PROPOSED	VG & VIG	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	67.0	-	FIBER	σ	(1) ERICSSON RIRUS-11	-
MG	PROPOSED	VG & VIG	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	67.0'	-	FIBER	σ	(1) ERICSSON RRUS-11	-
TOTAL		-	12	- 1	-	-	1,766*	-	-	12	-

2005

(5)

ANTENNA AND COAXIAL CABLE B.O.M.



Dewberry

Designer_SM	\C		Date 5130/2012 Checker 1	Calculation She
Title 500	410161	5000 39	36	job No
iubject <u>U</u>	31013	NOO3E	ANSHIE	SBOOT NO OI
	TBTA	FACADE	HOONTED AN ENNA CHECK	- Anchors
		LAND WY REAR	WIND 466 N @ 94 HPH	
		466 N	= <u>94 491)</u> ² y=638,1 110 MPH) ² (ASCE-710)	14N = 9.81 - /2= 2-2 16kg = 143.11 H
			DEAD LOAD = 30 163 (PER 1	ANTENNA SPEC SHEET)
			ASSUME 100 105 W/ CON	WECTIONS , CONSERVATIVE
Ŵ	iear du	ц	$T = W_{rear} + \frac{DL(1')}{4} = \frac{11}{2(4')}$	43.1 + 10011 - 48.315 4 2x41
			V=10016 - 2510	F5. > 10 V
			$\frac{V}{1375} + \frac{T}{775} - \frac{1.0}{157} \Rightarrow \frac{24}{157}$	5 <u>48.3</u> - 0.081<1 15 775
•	H.	H LATER	AL : 195 1 @ 94 HPH	
		IQ S N	$= (94 MPH)^2 > x = 261.$	ON: 9 BI 32 *2.2 10/18g=5919.5
Г	11		What GO	116
	9-1	18"	$V = W_{10} + + DL = 60 + 1$	401
	Wiał	*	$T = W(12^{2}) - 60x12 = 2(8^{2}) - 2x8$	45 16 [53 >10]
		V 13765	$\frac{1}{715}$ $\frac{10}{10}$ =7 $\frac{40}{10}$ $\frac{45}{10}$	L = 0.09 ≤ 1.0 V



Strengthening a Remarkable City, Building a Community for Life . www.portlandmaine.gov

Receipts Details:

Tender Information: Check, BusinessName: Div. Site Aquistion Inc, Check Number: 36652 Tender Amount: 920.00

Receipt Header:

Cashier Id: gguertin Receipt Date: 7/9/2012 Receipt Number: 45774

Receipt Details:

		BP-Constr	
)	Payment		
	Date:		
20.00	Charge	920.00	
	Amount:		
	20.00	20.00 Date: Amount:	Date: 20.00 Charge 920.00

Thank You for your Payment!



Administrative Authorization Application

Portland, Maine

Planning and Urban Development Department, Planning Division

PROJECT NAME: AT&T MOBILITY WIRELESS NEW SITE INSTALLLATION

PROJECT ADDRESS: 25 Pearl Street

CHART/BLOCK/LOT: 029 E009001

Applicant's Assessment Planning Division

Y(yes), N(no), N/A

Y(yes), N(no), N/A

No

Yes

Yes

No

Yes

Yes

No

No

No

Yes

Yes

No

N/A

No

\$50.00 **APPLICATION FEE:** (\$50.00)

PROJECT DESCRIPTION: (Please Attach Sketch/Plan of the Proposal/Development)

Installation of 3 Additional Antennas and associated equipment to existing facility

CONTACT INFORMATION:

OWNER/APPLICANT

CONSULTANT/AGENT

Name:	AT&T Mobility	Name:	Peter Cooke
Address:	c/o SAI Communications	Address:	POB 874
	22 Keewaydin Dr		Wolfeboro, NH 03894
Work #:	Salem, NH	Work #:	978-399-8600
Cell #:	(603) 531-9230	Cell #:	978-399-8600
Fax #:	ATT: Toby Slagle	Fax #:	
Home #:		Home #:	
E-mail:	Toby.Slagle@SAI-Comm.com	E-mail:	pcooke@wellmanassociates.net

Criteria for an Administrative Authorization:

(see section 14-523(4) on pg .2 of this appl.)

- a) Is the proposal within existing structures?
- b) Are there any new buildings, additions, or demolitions?
- c) Is the footprint increase less than 500 sq. ft.?
- d) Are there any new curb cuts, driveways or parking areas?
- e) Are the curbs and sidewalks in sound condition?
- f) Do the curbs and sidewalks comply with ADA?
- Is there any additional parking? **g**)
- h) Is there an increase in traffic?
- Are there any known stormwater problems? i)
- Does sufficient property screening exist? j)
- k) Are there adequate utilities?
- 1) Are there any zoning violations?
- m) Is an emergency generator located to minimize noise?

n) Are there any noise, vibration, glare, fumes or other impacts?

Signature of Applicant Date: 6/12/12 Acres.

JUN 1 2 2012

City of Portland Planning Division

Planning Division Use Only	Authorization Granted	Partial Exemption	Exemption Denied
Standard Condition of Approva	al: The applicant shall obtain	all required City Permits	s, including building permits

from the Inspection Division (Room 315, City Hall (874-8703)) prior to the start of any construction.

Planner Signature

Date

IMPORTANT NOTICE TO APPLICANT: The granting of an Administrative Authorization to exempt a development from site plan review <u>does not exempt</u> this proposal from other required approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office, Room 315, City Hall (207)874-8703, to determine what other City permits, such as a building permit, will be required.

PROVISION OF PORTLAND CITY CODE 14-523 (SITE PLAN ORDINANCE) RE: Administrative Authorization

Sec. 14-523 (b). Applicability

No person shall undertake any development identified in Section 14-523 without obtaining a site plan improvement permit under this article. (c) Administrative Authorization. Administrative Authorization means the Planning Authority may grant administrative authorization to exempt a development proposal from complete or partial site plan review that meets the standards below, as demonstrated by the applicant.

- 1. The proposed development will be located within existing structures, and there will be no new buildings, demolitions, or building additions other than those permitted by subsection b of this section;
- 2. Any building addition shall have a new building footprint expansion of less than five hundred (500) square feet;
- The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing site has no more than one (1) curb cut and will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;
- 4. The curbs and sidewalks adjacent to the lot are complete and in sound condition, as determined by the public works authority, with granite curb with at least four (4) inch reveal, and sidewalks are in good repair with uniform material and level surface and meet accessibility requirements of the Americans with Disabilities Act;
- The use does not require additional or reduce existing parking, either on or off the site, and the project does not significantly increase traffic generation;
- There are no known stormwater impacts from the proposed use or any existing deficient conditions of stormwater management on the site;
- 7. There are no evident deficiencies in existing screening from adjoining properties; and
- Existing utility connections are adequate to serve the proposed development and there will be no disturbance to or improvements within the public right-of-way.
- 9. There are no current zoning violations;
- 10. Any emergency generators are to be located to minimize noise impacts to adjoining properties and documentation that routine testing of the generators occur on weekdays between the hours of 9 a.m. to 5 p.m. Documentation pertaining to the noise impacts of the emergency generator shall be submitted; and
- 11. There is no anticipated noise, vibration, glare, fumes or other foreseeable impacts associated with the project.

a. Filing the Application. An applicant seeking an administrative authorization under this subsection shall submit an administrative authorization application for review, detailing the site plan with dimensions of proposed improvements and distances from all property lines, and stating that the proposal meets all of the provisions in standards 1-11 of Section 14-423 (b)1. The application must be accompanied by an application fee of \$50.

- b. Review. Upon receipt of such a complete application, the Planning Authority will process it and render a written decision of approval, approval with conditions or denial, with all associated findings.
- c. Decision. If a full administrative authorization is granted, the application shall be approved without further review under this article, and no performance guarantee shall be required. In the event that the Planning Authority determines that standards a and b of Section 14-523 (b) (1) and at least four (4) of the remaining standards have been met, the Planning Authority shall review the site plan according to all applicable review standards of Section 14-526 that are affected by the standards in this subsection that have not been met. If an exemption or partial exemption from site plan review is not granted, the applicant must submit a site plan application that will undergo a full review by the Planning Board or Planning Authority according to the standards of Section 14-526.

Administrative Authorization Decision

Name:AT &T Mobility Wireless New Site InstallationAddress:25 Pearl StreetProject Description:

<u>Criteria for an Adminstrative Authorizations:</u> Section 14-523 (4) on page 2 of this application)	Applicant's Assessme Y(yes), N(no), N/A	ent Planning Division Use Only
a) Is the proposal within existing structures?	No	No
b) Are there any new buildings, additions, or demolitions?	Yes	Yes, 3 antennas and equipment
c) Is the footprint increase less than 500 sq. ft.?	Yes	Yes
d) Are there any new curb cuts, driveways or parking areas?	No	No
e) Are the curbs and sidewalks in sound condition?	Yes	Yes
f) Do the curbs and sidewalks comply with ADA?	Yes	Yes
g) Is there any additional parking?	No	No
h) Is there an increase in traffic?	No	No
i) Are there any known stormwater problems?	No	No
j) Does sufficient property screening exist?	Yes	Yes
k) Are there adequate utilities?	Yes	Yes
l) Are there any zoning violations?	No	No
m)Is an emergency generator located to minimize noise?	N/A	Yes
n) Are there any noise, vibration, glare, fumes or other impacts?	No	No

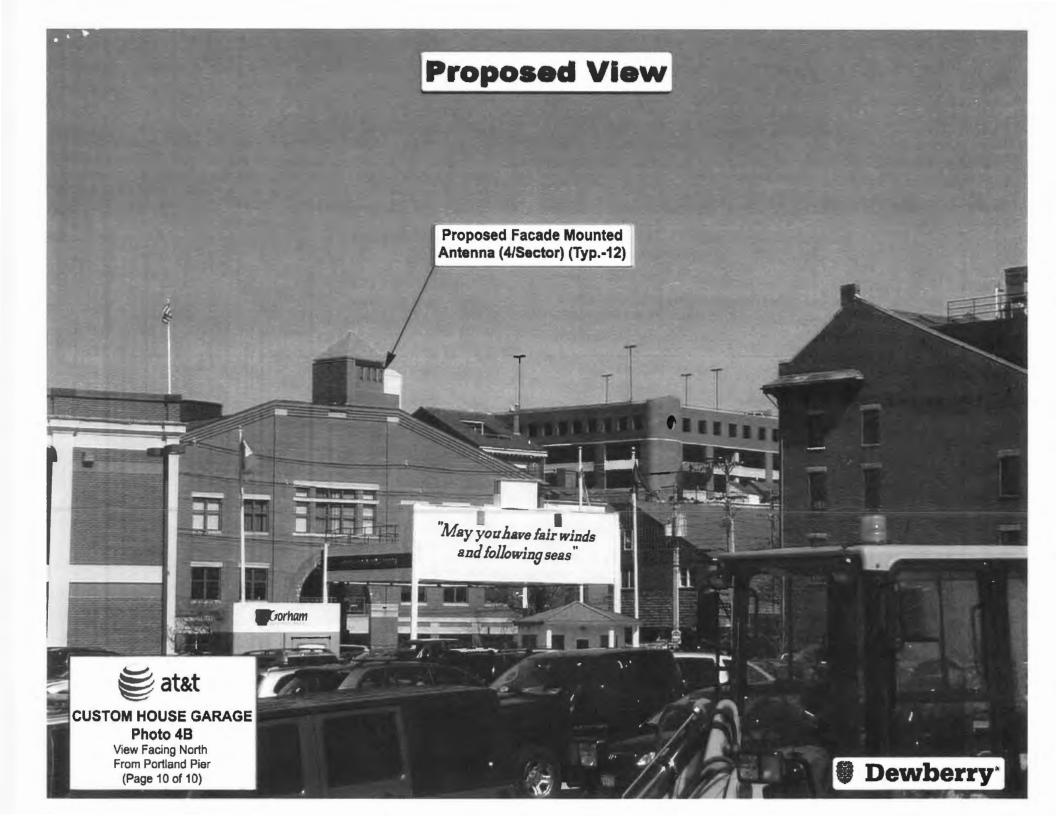
I confirmed with Deb Andrews, Historic Preservation Manager, that the proposed site is outside of the Historic District and does not require Historic Preservation Review.

The Administrative Authorization for wireless site installation was approved by Barbara Barhydt, Development Review Services Manager on June 29, 2012 with the following condition(s) of approval listed below:

- 1. The noise attenuation as proposed shall be installed to minimize noise levels.
- 2. The emergency generator will be tested during normal business hours of 9 to 5 during the week, Monday through Friday.
- 3. The applicant shall obtain all required City Permits, including building permits from the Inspection Division (874-8703) and any other permits required from the Department of Public Services (874-8801) prior to the start of any construction.

Jarbara Barhydt

Barbara Barhydt Development Review Services Manager Date of Approval:



Barbara Barhydt - Re: AT&T Mobility Proposed Installation at 25 Pearl Street

From:	Peter Cooke <pcooke@wellmanassociates.net></pcooke@wellmanassociates.net>
То:	Barbara Barhydt <bab@portlandmaine.gov></bab@portlandmaine.gov>
Date:	Tuesday, June 26, 2012 11:31 AM
Subject:	Re: AT&T Mobility Proposed Installation at 25 Pearl Street
Attachments:	Generac 50KW Diesel Generator Specifications 2011.pdf

Thanks Barbara

Genset specs attached - last page has noise levels. AT&T uses the sound enclosure so 71 dB at 23 feet away.

We plan to head to the Building Dept next – they like to see your review as part of the application. We also wanted to include any modifications you may request as part of the plan set we file with them.

Peter Cooke 978.399.8600 (M)

From: Barbara Barhydt <<u>BAB@portlandmaine.gov</u>> Date: Tuesday, June 26, 2012 10:58 AM To: Peter Cooke <<u>pcooke@wellmanassociates.net</u>> Cc: Deb Andrews <<u>DGA@portlandmaine.gov</u>> Subject: Re: AT&T Mobility Proposed Installation at 25 Pearl Street

Hi Peter:

I spoke with Deb this morning and she said that the site is outside of the district boundaries, thus it does not require Historic Preservation Review. I have added her on this e-mail to confirm.

I will finish my review when I receive the additional information. You will need to obtain a building permit, so you will want to submit an application to the Inspections Division if you have not done that already.

Thank you.

Barbara

Barbara Barhydt Development Review Services Manager Planning Division 389 Congress Street 4th Floor Portland, ME 04101 (207) 874-8699 Fax: (207) 756-8256

1 of 5



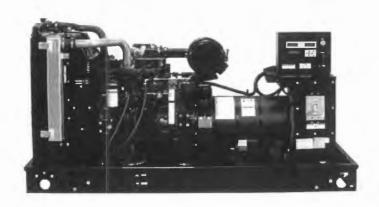
Industrial Diesel Generator Set

EPA Emissions Certification: Tier III



CUSTOM MODEL

Standby Power Rating 50KW 60 Hz



features	benefits
Generator Set PROTOTYPE & TORSIONALLY TESTED UL2200 TESTED RHINOCOAT PAINT SYSTEM SOUND LEVEL 2 ENCLOSURE Engine	 PROVIDES A PROVEN UNIT ENSURES A QUALITY PRODUCT IMPROVES RESISTANCE TO ELEMENTS 71dba @ 7 METERS (23FT)
EPA TIER CERTIFIED INDUSTRIAL TESTED, GENERAC APPROVED POWER-MATCHED OUTPUT INDUSTRIAL GRADE Alternator	ENVIRONMENTALLY FRIENDLY ENSURES INDUSTRIAL STANDARDS ENGINEERED FOR PERFORMANCE IMPROVES LONGEVITY AND RELIABILITY
TWO-THIRDS PITCH LAYER WOUND ROTOR & STATOR CLASS H MATERIALS DIGITAL 3-PHASE VOLTAGE CONTROL Controls	 ELIMINATES HARMFUL 3RD HARMONIC IMPROVES COOLING HEAT TOLERANT DESIGN FAST AND ACCURATE RESPONSE
ENCAPSULATED BOARD W/ SEALED HARNESS 4-20mA VOLTAGE-TO-CURRENT SENSORS SURFACE-MOUNT TECHNOLOGY ADVANCED DIAGNOSTICS & COMMUNICATIONS	 EASY, AFFORDABLE REPLACEMENT NOISE RESISTANT 24/7 MONITORING PROVIDES VIBRATION RESISTANCE HARDENED RELIABILITY

primary codes and standards





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INDUSTRIAL GENERAC

SD050

standard features and options

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GENERATOR SET	
Genset Vibration Isolation	Std
Factory Testing	Std
Extended warranty	Std
Padlockable Doors	Std
Steel Enclosure (Enclosed Models)	Std
Remote Emergency Shutdown	Opt
NGINE SYSTEM	
General	
	Std
General	Std Std
<u>General</u> Oil Drain Extension Air Cleaner	
<u>General</u> Oil Drain Extension Air Cleaner	Std
<u>General</u> Oil Drain Extension Air Cleaner Industrial Exhaust Silencer (Open Sets, ship loose)	Std Std
<u>General</u> Oil Drain Extension Air Cleaner Industrial Exhaust Silencer (Open Sets, ship loose) Critical Exhaust Silencer (Enclosed Sets)	Std Std Std
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 Oil Drain Extension Air Cleaner Industrial Exhaust Silencer (Open Sets, ship loose) Critical Exhaust Silencer (Enclosed Sets) Stainless steel flexible exhaust connection <u>Fuel System</u> Primary Fuel Filter with Water Separator 	Std Std Std Std

CONTROL SYSTEM

Programmable Crank Limiter

All-Phase Sensing DVR

2-Wire Start Compatible

Power Output (kW)

All phase AC Voltage

Coolant Temperature

Low Fuel Pressure Indication

Date/Time Fault History (Event Log)

Weather Resistant Electrical Connections

NFPA 110 Level I and II (Programmable)

O Remote E-Stop (Break Glass-Type, Surface Mount)

O Remote E-Stop (Red Mushroom-Type, Surface Mount)

O Remote E-Stop (Red Mushroom-Type, Flush Mount)

Isochronous Governor Control

-40deg C - 70deg C Operation

Audible Alarms and Shutdowns

Not in Auto (Flashing Light)

E-Stop (Red Mushroom-Type)

Remote Communication - RS232

On/Off/Manual Switch

All phase Currents

Power Factor

Oil Pressure

Coolant Level

Engine Speed

Frequency

Battery Voltage

UL2200 GENprotect[™]

O Low-Speed Exercise

Reactive Power

Full System Status

Digital H Control Panel - Dual 4x20 Display

Special Applications Programmable PLC

Utility Monitoring (Req. H-Transfer Switch)

7-Day Programmable Exerciser (requires H-Transfer Switch)

Control Panel

RS-232

RS-48S

Cooling System	
120VAC Coolant Heater (3-wire connection cord)	Std
50%/50% Coolant	Std
Level 1 Guarding (Open Sets)	Std
Closed Coolant Recovery System	Std
UV/Ozone resistant hoses	Std
Factory-Installed Radiator	Std
Radiator Drain Extension	Std
Fan guard	Std
 Radiator duct adapter (Open Sets) 	Std
•	
Engine Electrical System	
Battery charging alternator	Std

 Battery cables 	Std
 Battery tray 	Std
75W 120VAC Battery heater	Std
Solenoid activated starter motor	Std
10A UL float/equalize battery charger	Std
Weather Resistant electrical connections	Std
Duplex GFCI Convenience Outlet	Std

ALTERNATOR SYSTEM

•	UL2200 GENprotect [™]
	100% Rated 200A Main Line Circuit Breaker

Alarms (Programmable Tolerances, Pre-Alarms and Shutdo	wee)
Low Fuel	Std
Oil Pressure (Pre-programmed Low Pressure Shutdown)	Std
Coolant Temperature (Pre-programmed High Temp Shutdo	Std
Coolant Level (Pre-programmed Low Level Shutdown)	Std
Engine Speed (Pre-programmed Overspeed Shutdown)	Std
Voltage (Pre-programmed Overvoltage Shutdown)	Std
Battery Voltage	Std

Other Options Single Side Service

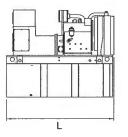
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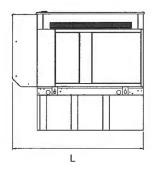
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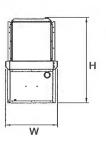
dimensions, weights and sound levels

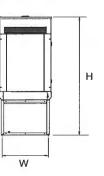
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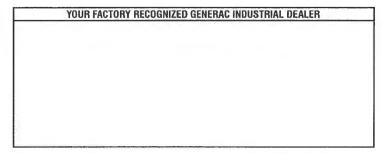


OPEN SET TANK SIZE RUNTIME CAPACITY TANK HOURS (GAL) VOLUME

L	HOURS	(GAL)	VOLUME	L	W	н	VV I	dBA*
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0	-	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-	
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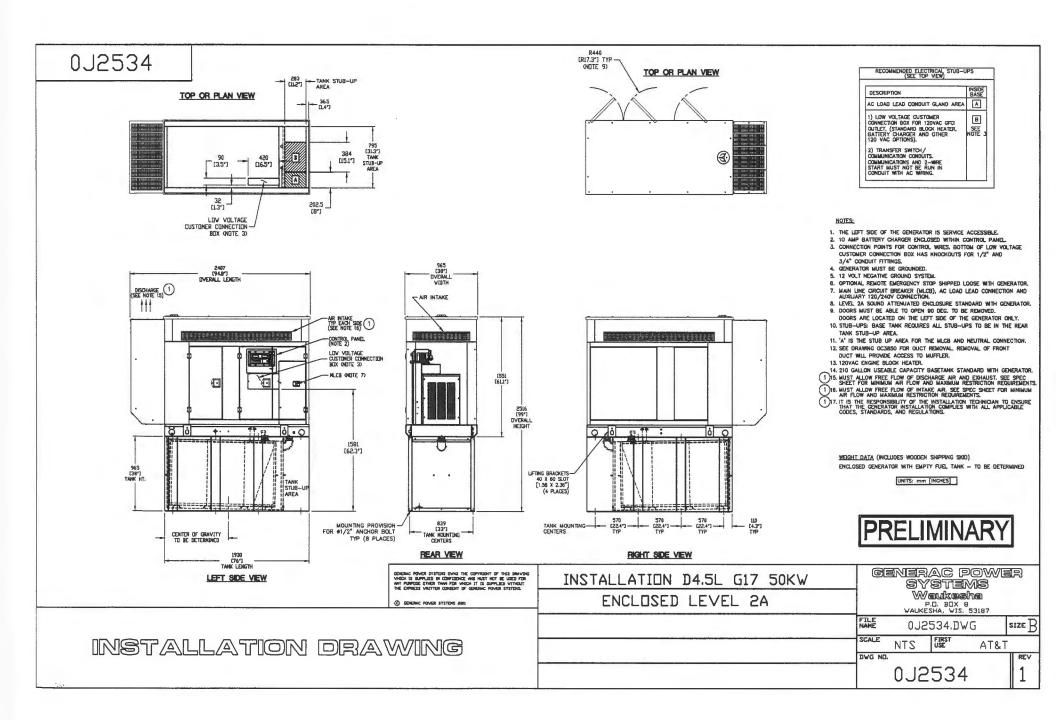
	LEVEL 2 S	OUND ENC						
	RUNTIME	CAPACITY	TANK					
	HOURS	(GAL)	VOLUME	L	W	н	WT	dBA*
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0	- 1	-	-		-	-	-	
0	-	-		-	-	-	-	
0	-	-	-	-	-	-	-	71
0	-	-		-	-	-	-	1
	48	210	210	94.8	38	99	3935	
0	-			-	-	-	-	-
0	-	•	-					

*Required gallons based on 100% of standby rating. Weights consider steel enclosure and are without fuel in tank. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.



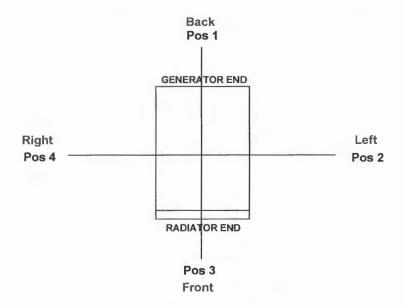
Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

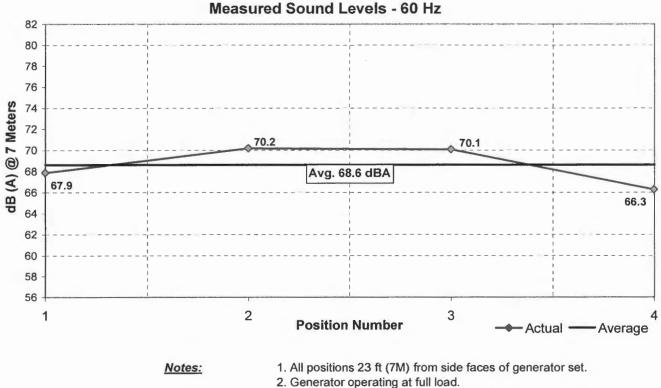
Generac Power Systems, Inc. • S45 W29290 HWY. 59, Waukesha, WI 53189 • generac.com ©2010 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice. Bulletin 01903405BY-A / Printed in U.S.A. 11/04/10











3. Test conducted on a 100 foot diameter asphault surface.

Non-enclosed sets do not include exhaust sound during testing.

GENERAC POWER SYSTEMS

DATA SUBJECT TO CHANGE WITHOUT NOTICE 0191790SSD 02/11 Prepared For: AT&T Mobility Site No.: ME2976 Site Name: CUSTOM HOUSE GARAGE 25 Pearl Street Portland, ME 04101

For visual reference only. Actual visibility is dependent upon weather conditions, season, sunlight, and viewer location.



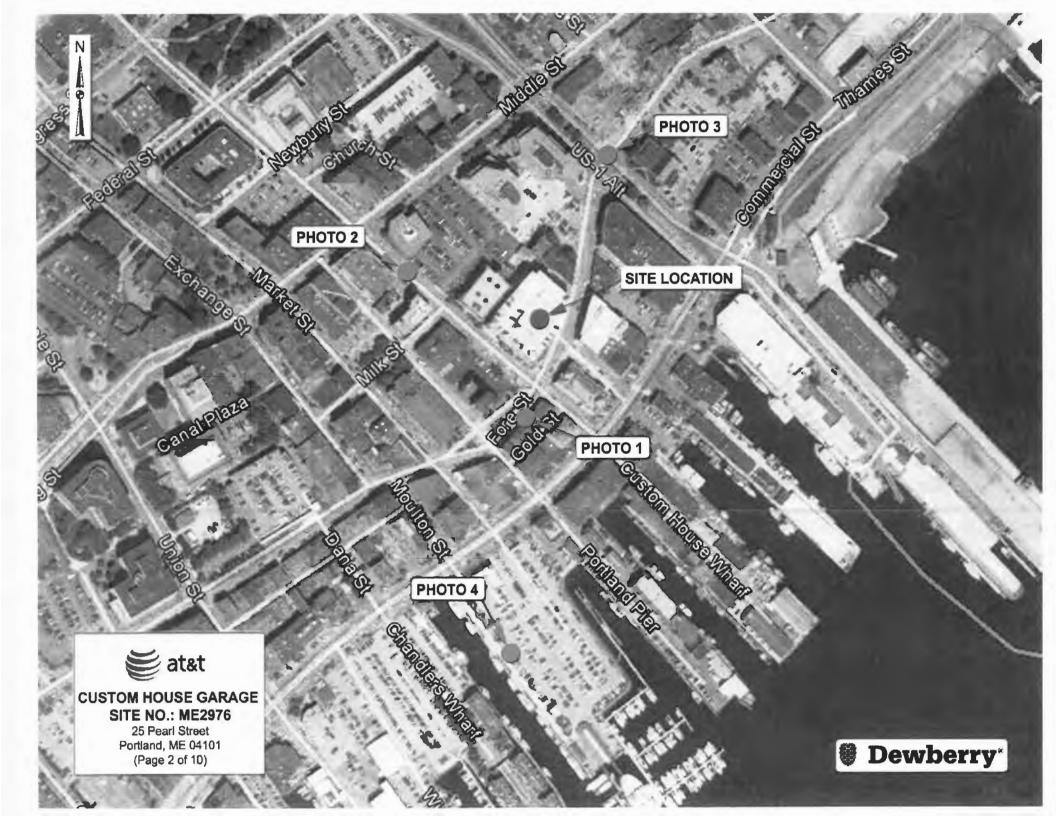
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CUSTOM HOUSE GARAGE Site No.: ME2976 DEWBERRY NO.50041016 (Page 1 of 10)



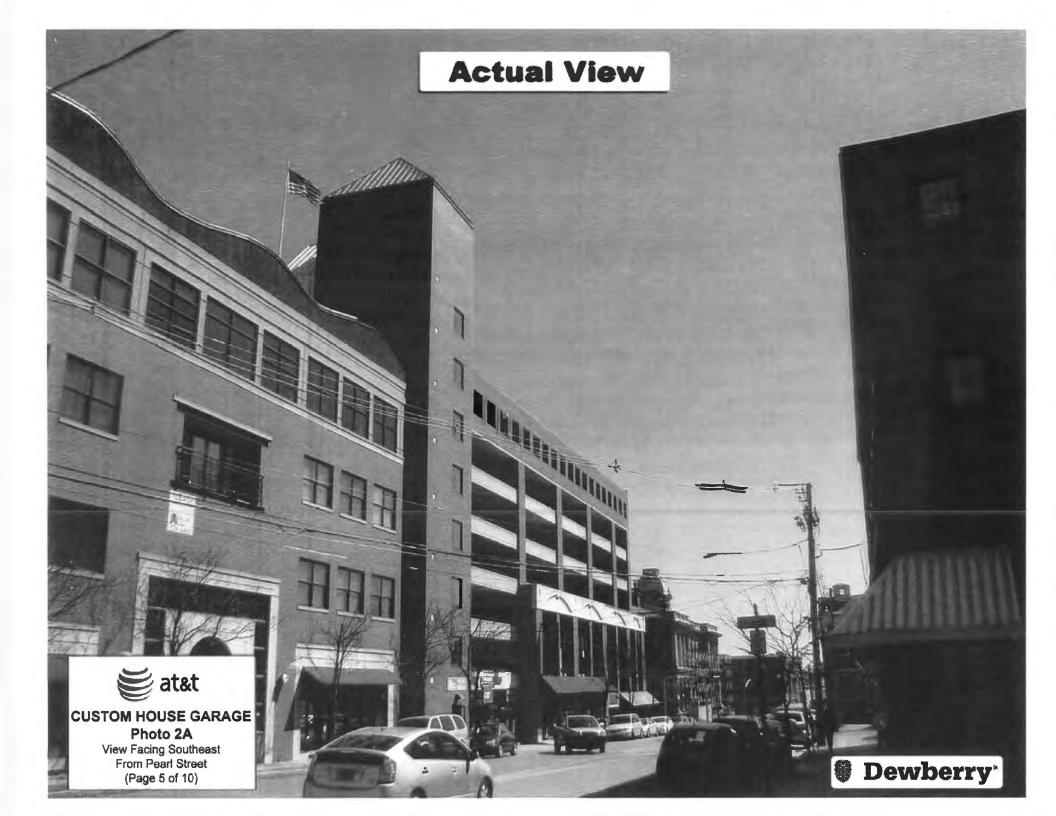
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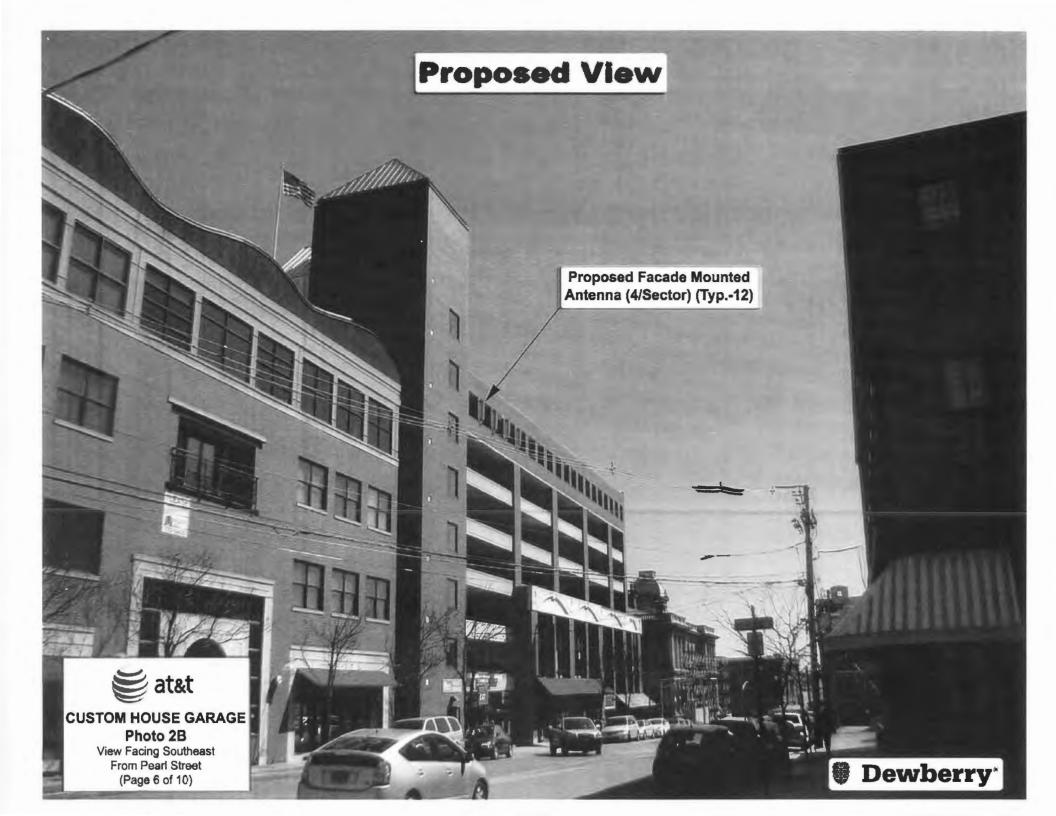
Dewberry Engineers, Inc. 280 Summer St. 10th Floor Boston, MA 02210

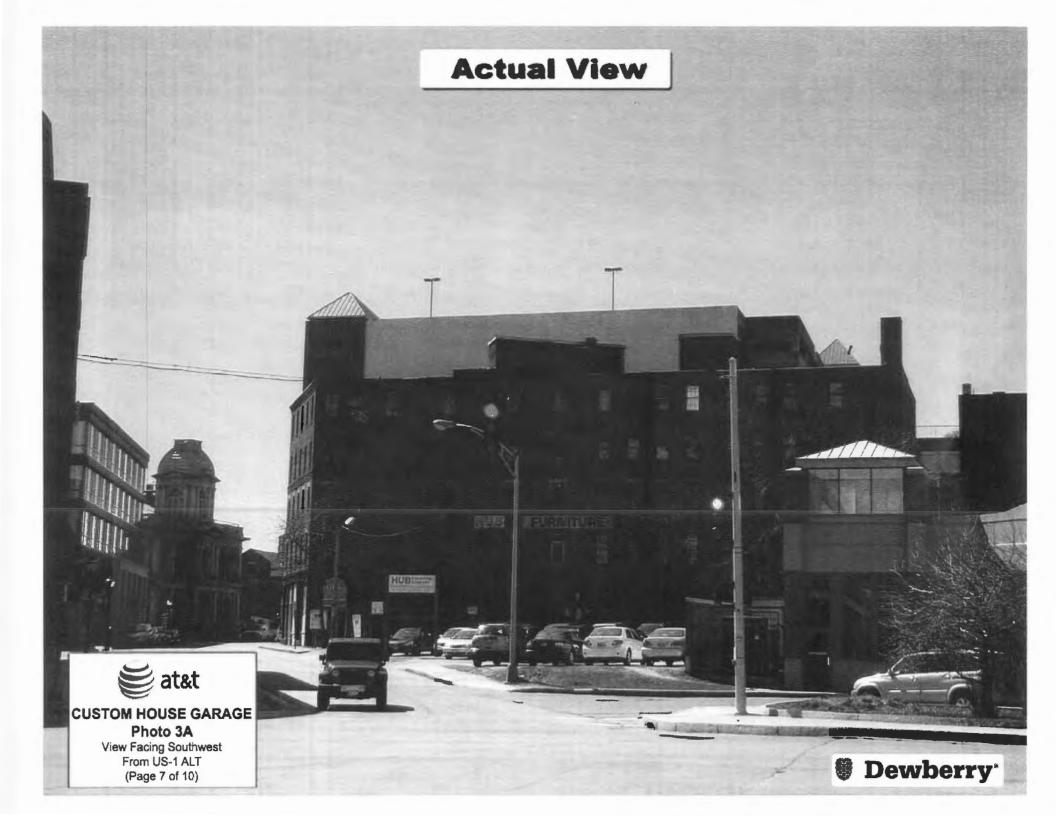


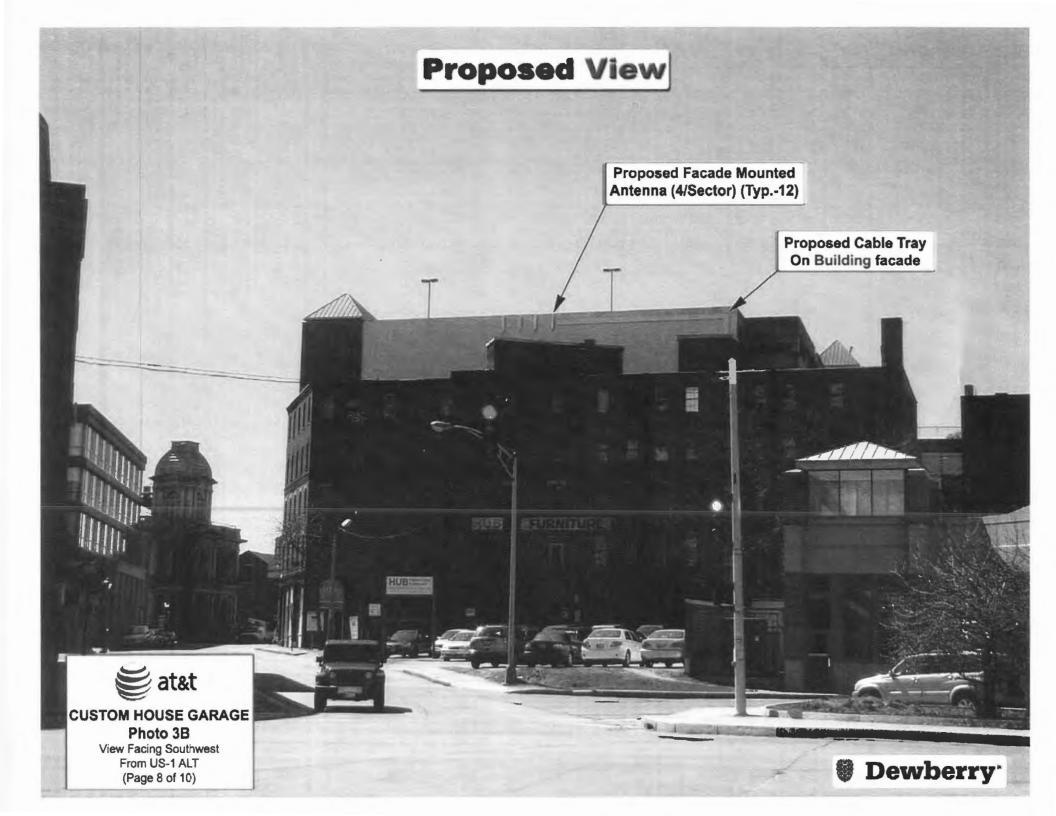


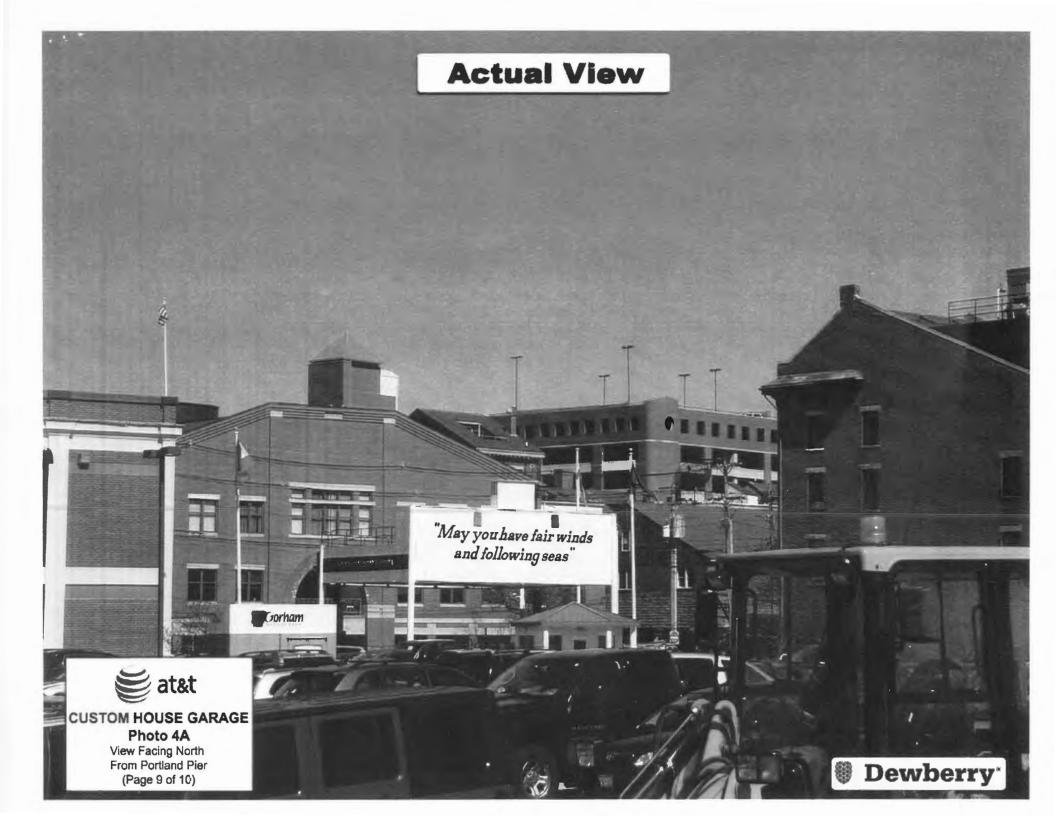














CUSTOM HOUSE GARAGE SITE NO.: ME2976 25 PEARL STREET PORTLAND, ME 04101

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Table, Manual Manual And	ENGINEER DEWBERRY 280 SUMMER STREET 10TH FLOOR BOSTON, MA 02210 PHONE # (617) 695-3400 FAX # (617) 695-3310 CONTACT: BENJAMIN REVETTE	<u>SITE NAME:</u> CUSTOM HOUSE GARAGE <u>PROPERTY OWNER:</u> 25 PEARL MHR LLC. P.O. BOX 7488 PORTLAND, ME 04112	SITE ADDRESS; 25 PEARL STREET PORTLAND, ME 04101 MAP/LOT; MAP 29 LOT E009001 <u>ZONING DISTRUCT</u> B3-DOWNTOWN BUSINESS	SHT. DESC NO. DESC T-1 THLE G-1 GENER A-1 ABUTTE C-1 PROPO C-2 ELEVAT C-3 CONST
SITE LOCATION: 25 Peal St. Portland, (ME D4101		APPLICANT/DEVELOPER; AT&T MOBILITY 550 COCHITUATE ROAD SUITES 13 & 14	PROJECT DIRECTORY	C-4 CONST C-5 CONST C-6 ANTENI
	WELLMAN ASSOCIATES, INC. 70 BROADWAY STREET P.O. BOX 738	FRAMINGHAM, MA 01701 <u>ELECTRIC UTILITY:</u> CENTRAL MAINE POWER (800) 696-1000	A PROPOSED EQUIPMENT SHELTER AND DIESEL GENERATOR AT GRADE. TWELVE (12) PANEL ANTENNAS WILL BE INSTALLED (4/SECTOR) ON THE BULDING FACADE. POWER & TELCO WILL COME FROM EXISTING SOURCES ON SITE.	E-1 ELECTE E-2 SCHEM E-3 GROUN
	<u>CONSTRUCTION</u> SAL CONJUNICATIONS	TELEPHONE UTILITY: FAIRPOINT (866) 9843001	PROJECT DESCRIPTION THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERFAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.	
	22 KEEWAYDIN DRIVE SALEM, NH 03079 PHONE # (603) 531-9230 FAX # (603) 893-1104 CONTACT: TOBY SLAGLE	<u>COORDINATES:</u> * LATITUDE: 43' 39' 27.68" N LONGITUDE: 70' 15' 07.51" W *PER 1A SURVEY		
LOCUS MAP	CONSULTANT TEAM	PROJECT SUMMARY	A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.	
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FROM FRAMMINGHAM: TAKE 1-90 E/MASSPIKE, TAKE EXIT 14 FOR 1-95 N. SLIGHT RICHT ONTO 1-295 N. TAKE THE EXIT TOWARD S. PORTLAND. CONTINUE STRAIGHT ONTO VETERANS MEMORIAL BRIDGE. TURN RICHT ONTO W COMMERCIAL ST/US-1. TURN LEFT ONTO FEARL ST, DESTINATION WILL BE ON THE RICHT.

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GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH AT&T MOBILITY SPECIFICATIONS.

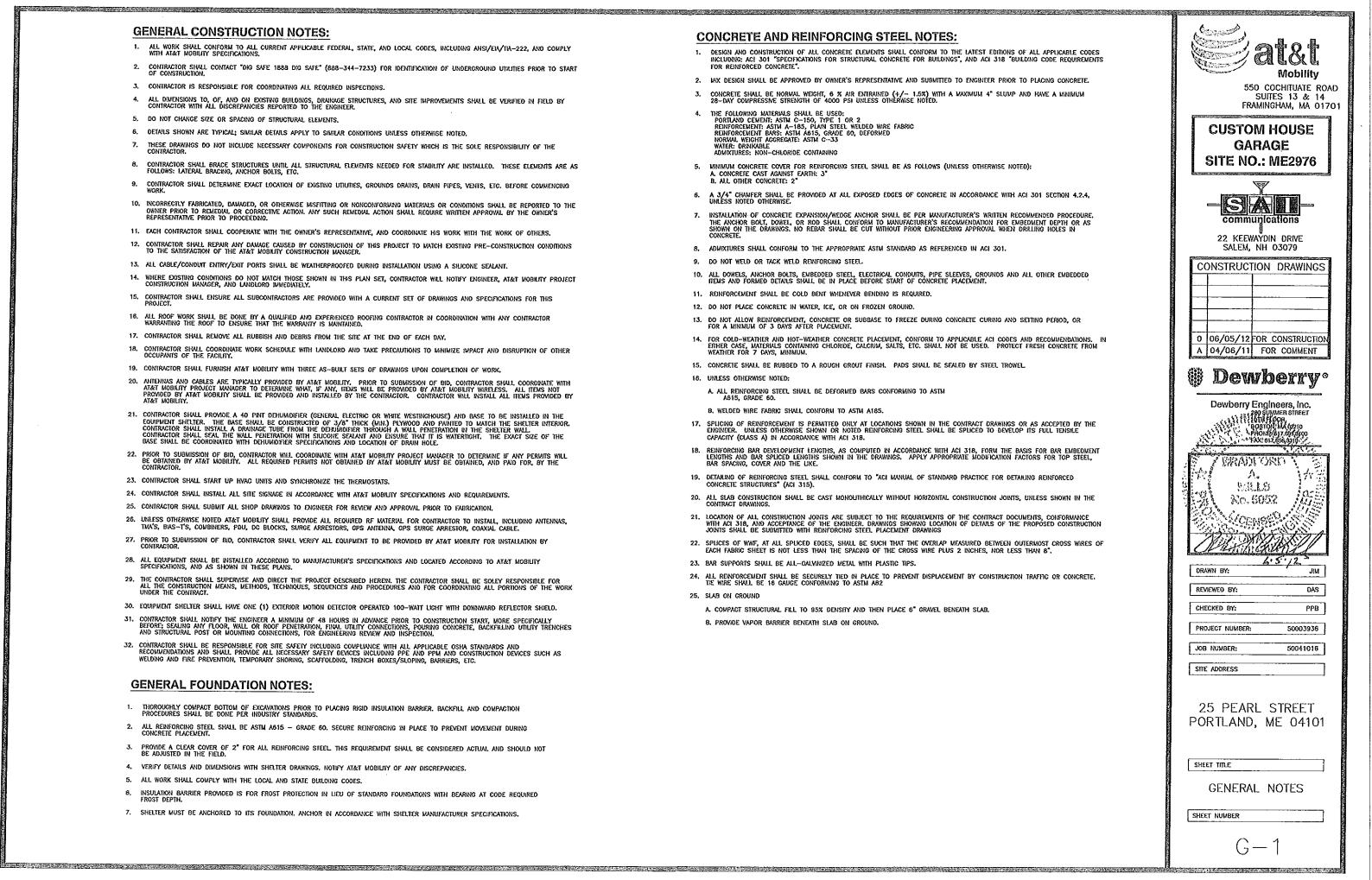
- 2. CONTRACTOR SHULL CONTACT "DIG SAFE 1888 DIG SAFE" (888-344-7233) FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION,
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- 4. ALL DIVENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- 5. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
- 6. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- 7. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH IS THE SOLE RESPONSIBILITY OF THE
- 8. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- 9. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING
- 10. INCORRECTLY FABRICATED, DAVAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. MAY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING.
- 11. EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- 12. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T MOBILITY CONSTRUCTION MANAGER.
- 13. ALL CABLE/CONDUCT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
- 14. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR WILL NOTIFY ENGINEER, AT&T MOBILITY PROJECT CONSTRUCTION MANAGER, AND LANDLORD IMMEDIATELY.
- 15. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS
- 16. ALL ROOF WORK SHALL BE DONE BY A QUALIFIED AND EXPERIENCED ROOFING CONTRACTOR IN COORDINATION WITH ANY CONTRACTOR WARRANTING THE ROOF TO ENSURE THAT THE WARRANTY IS MAINTAINED.
- 17. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
- 18. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- 19. CONTRACTOR SHALL FURNISH ATAT MOBILITY WITH THREE AS-BUILT SETS OF DRAWINGS UPON COMPLETION OF WORK
- 20. ANTENNAS AND CABLES ARE TYPICALLY PROVIDED BY AT&T MOBILITY, PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL, COORDWATE WITH AT&T MOBILITY PROJECT MANAGER TO DETERMINE WHAT, IF ANY, IFEMS WILL BE PROVIDED BY AT&T MOBILITY WRELESS, ALL ITEMS NOT PROVIDED BY AT&T MOBILITY SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR, CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED BY AT&T MOBILITY SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR, CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED BY AT&T MOBILITY.
- 21. CONTRACTOR SHALL PROMOE A 40 PART DEHUMIDIFIER (GENERAL ELECTRIC OR WHITE WESTINGHOUSE) AND BASE TO BE INSTALLED IN THE EQUIPMENT SHELTER. THE BASE SHALL BE CONSTRUCTED OF 3/6" THICK (MIN.) PLYWOOD AND PAINTED TO MATCH THE SHELTER INTERIOR. CONTRACTOR SHALL INSTALL A DRAINAGE TUBE FROM THE DEHUMIDIFIER THROUGH A WALL PENETRATION IN THE SHELTER WALL CONTRACTOR SHALL SEAL THE WALL PENETRATION WITH SULCOME SEALANT AND ENSURE THAT IT IS WATERTIGHT. THE EXACT SIZE OF THE PLACE SCORENING AND AND AND ADDRALL PENETRATION WITH SULCOME SEALANT AND ENSURE THAT IT IS WATERTIGHT. THE EXACT SIZE OF THE ASE SHALL BE COORDINATED WITH DEHUMIOFFER SPECIFICATIONS AND LOCATION OF DRAIN HOLE.
- 22. PRIOR TO SUBMISSION OF BID, CONTRACTOR WILL COORDINATE WITH ATAT MOBILITY PROJECT MANAGER TO DETERMINE IF ANY PERVITS WILL BE OBTAINED BY ATAT MOBILITY. ALL REQUIRED PERMITS NOT OBTAINED BY ATAT MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR
- 23. CONTRACTOR SHALL START UP HVAC UNITS AND SYNCHRONIZE THE THERMOSTATS.
- 24. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
- 25. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 26. UNLESS OTHERWISE NOTED AT&T MOBILITY SHALL PROVIDE ALL REQUIRED RF MATERIAL FOR CONTRACTOR TO INSTALL, INCLUDING ANTENNAS, TWA'S, BIAS-T'S, COMBINERS, PDU, DC BLOCKS, SURGE ARRESTORS, GPS ANTENNA, GPS SURGE ARRESTOR, COAXIAL CABLE.
- 27. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE PROVIDED BY ATACT MOBILITY FOR INSTALLATION BY
- 28. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO ATACT MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
- 29. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- 30. EQUIPMENT SHELTER SHALL HAVE ONE (1) EXTERIOR MOTION DETECTOR OPERATED 100-WAIT LIGHT WITH DOWNWARD REFLECTOR SHIELD.
- 31. CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION START, MORE SPECIFICALLY BEFORE; SEALING ANY FLOOR, WALL OR ROOF PENETRATION, FINAL UTILITY CONNECTIONS, POURING CONCRETE, BACKFILLING UTILITY TRENCHES AND STRUCTURAL POST OR MOUNTING CONNECTIONS, FOR ENGINEERING REVIEW AND INSPECTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC. 32.

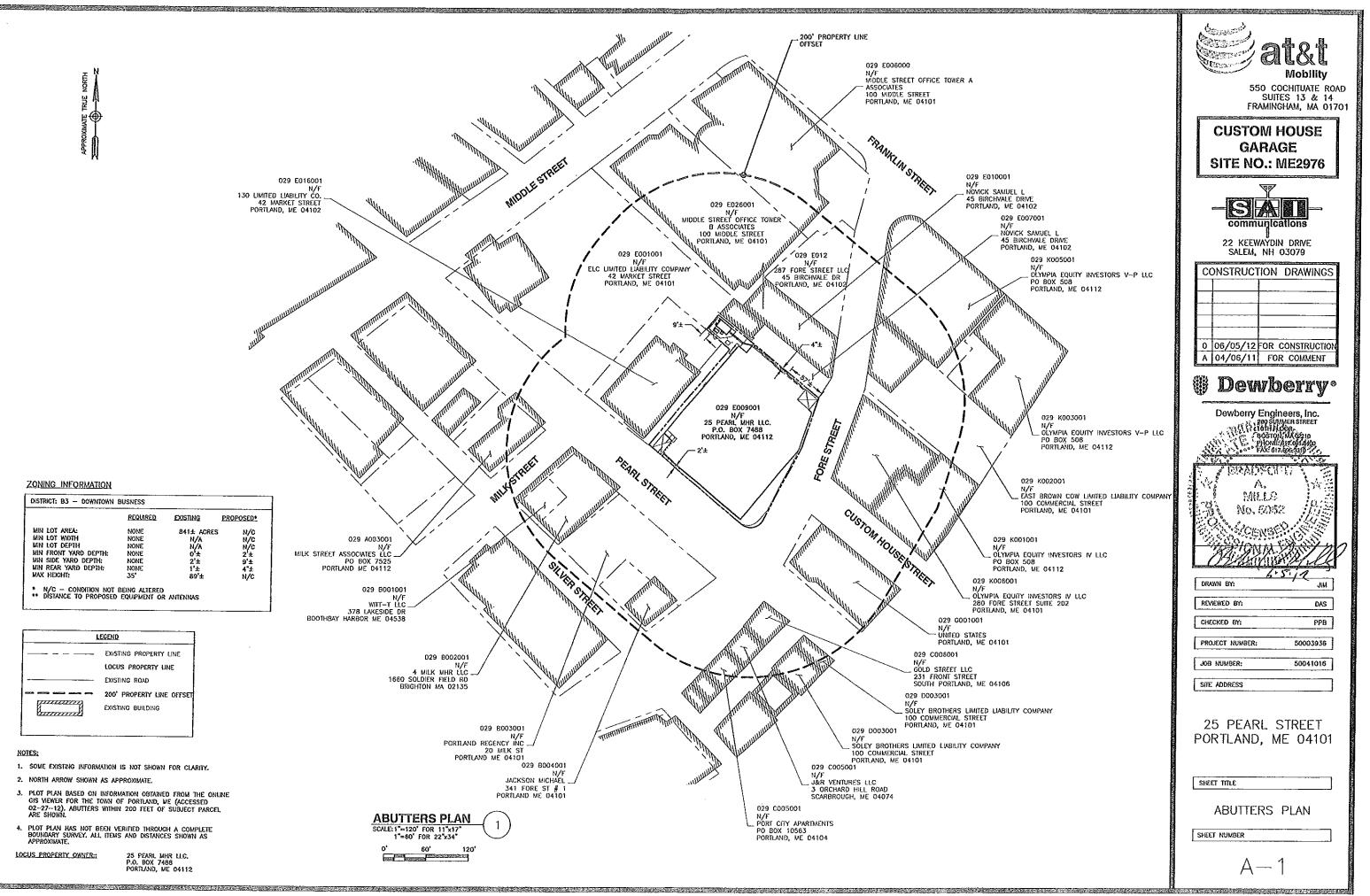
GENERAL FOUNDATION NOTES:

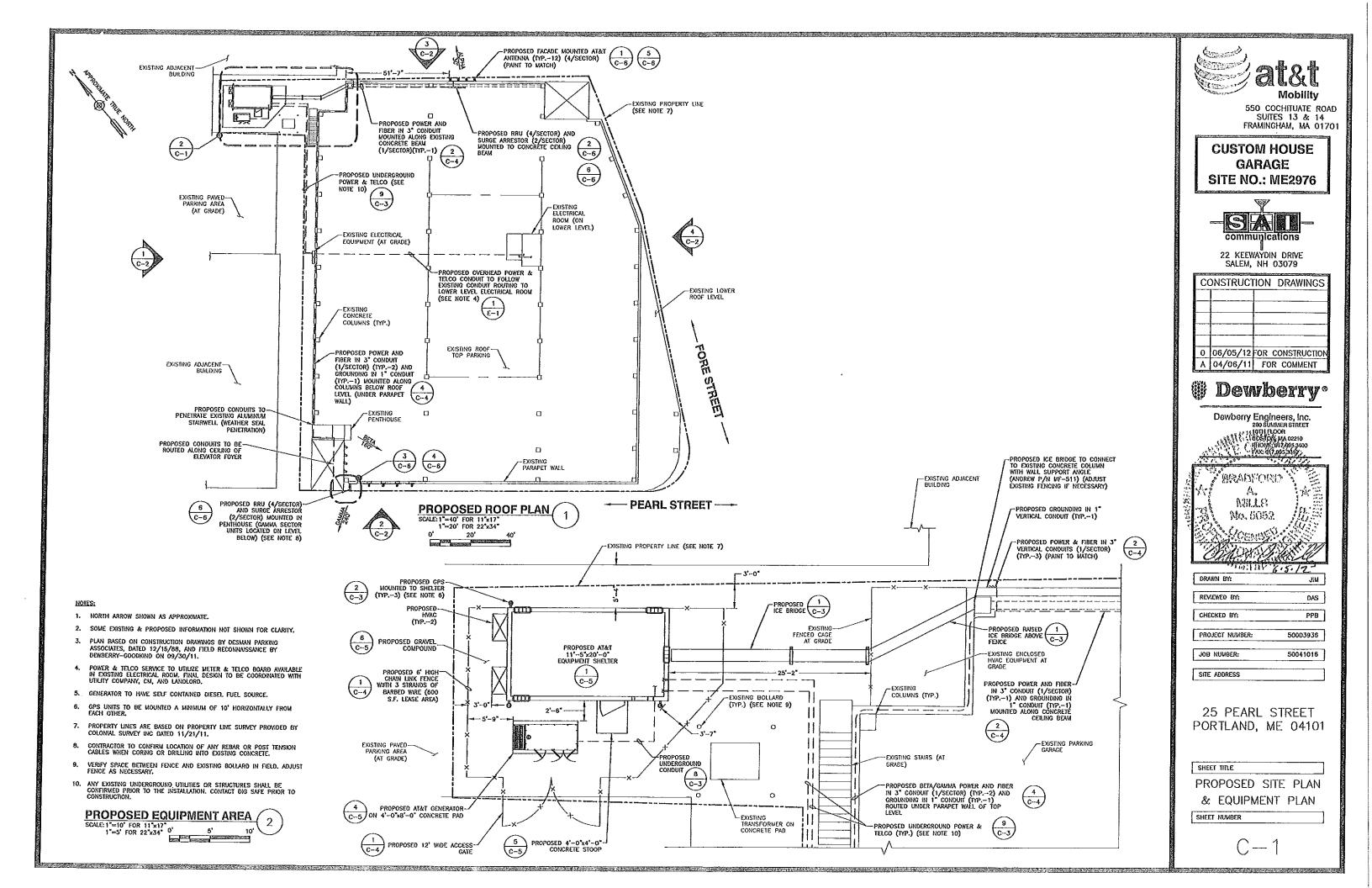
- THOROUGHLY COMPACT BOTTOM OF EXCAVATIONS PRIOR TO PLACING RIGID INSULATION BARRIER, BACKFILL AND COMPACTION PROCEDURES SHALL BE DONE PER INDUSTRY STANDARDS. 1.
- 2. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. SECURE REINFORCING IN PLACE TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT.
- PROVIDE A CLEAR COVER OF 2" FOR ALL REINFORCING STEEL THIS REQUIREMENT SHALL BE CONSIDERED ACTUAL AND SHOULD NOT BE ADJUSTED IN THE FIELD.
- 4. VERIFY DETAILS AND DIMENSIONS WITH SHELTER DRAWINGS. NOTIFY AT&T MOBILITY OF ANY DISCREPANCIES.
- 5. ALL WORK SHALL COMPLY WITH THE LOCAL AND STATE BUILDING CODES.
- INSULATION BARRIER PROVIDED IS FOR FROST PROTECTION IN LIEU OF STANDARD FOUNDATIONS WITH BEARING AT CODE REQUIRED
- 7. SHELTER MUST BE ANCHORED TO ITS FOUNDATION. ANCHOR IN ACCORDANCE WITH SHELTER MANUFACTURER SPECIFICATIONS.

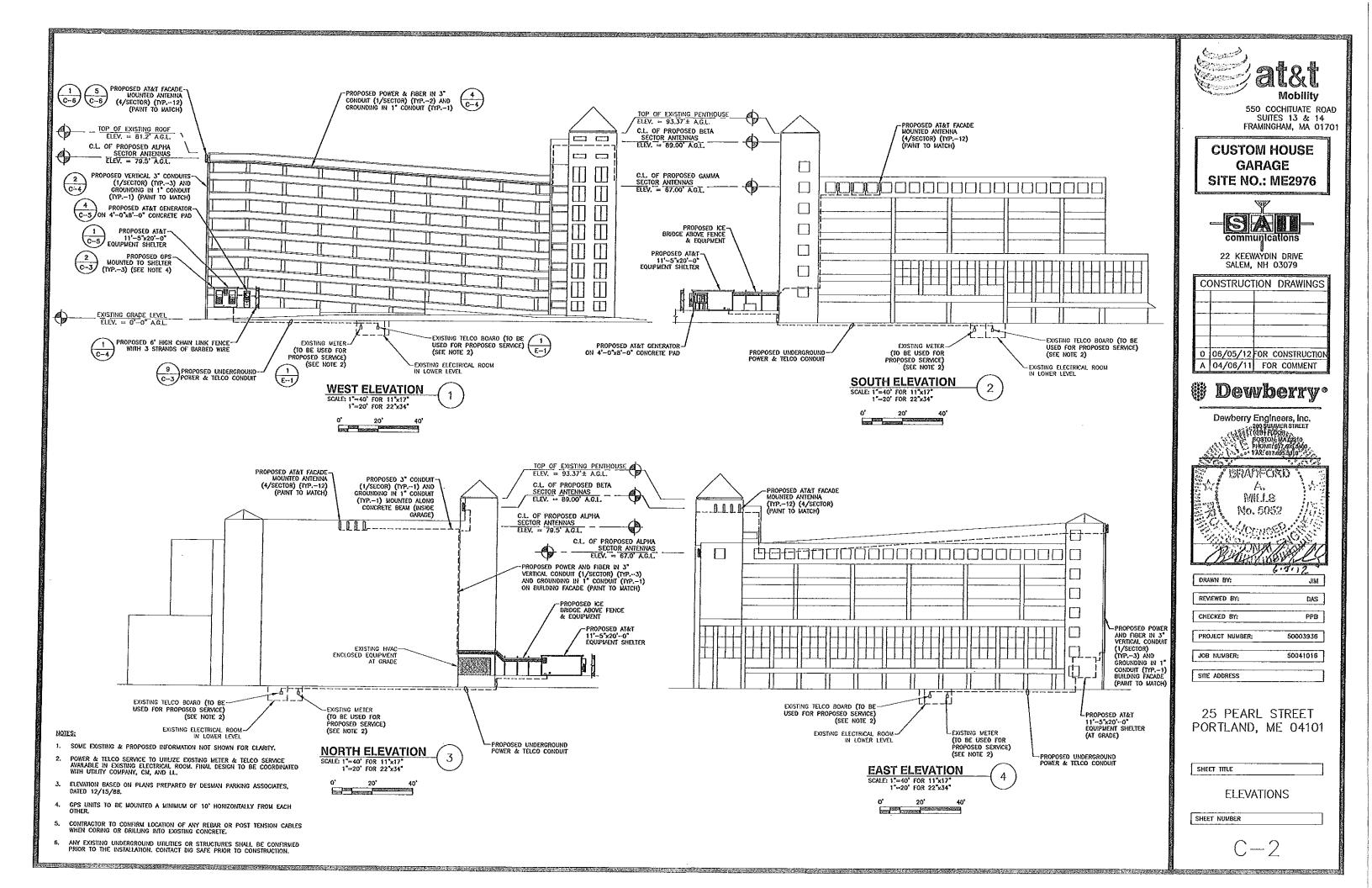
CONCRETE AND REINFORCING STEEL NOTES:

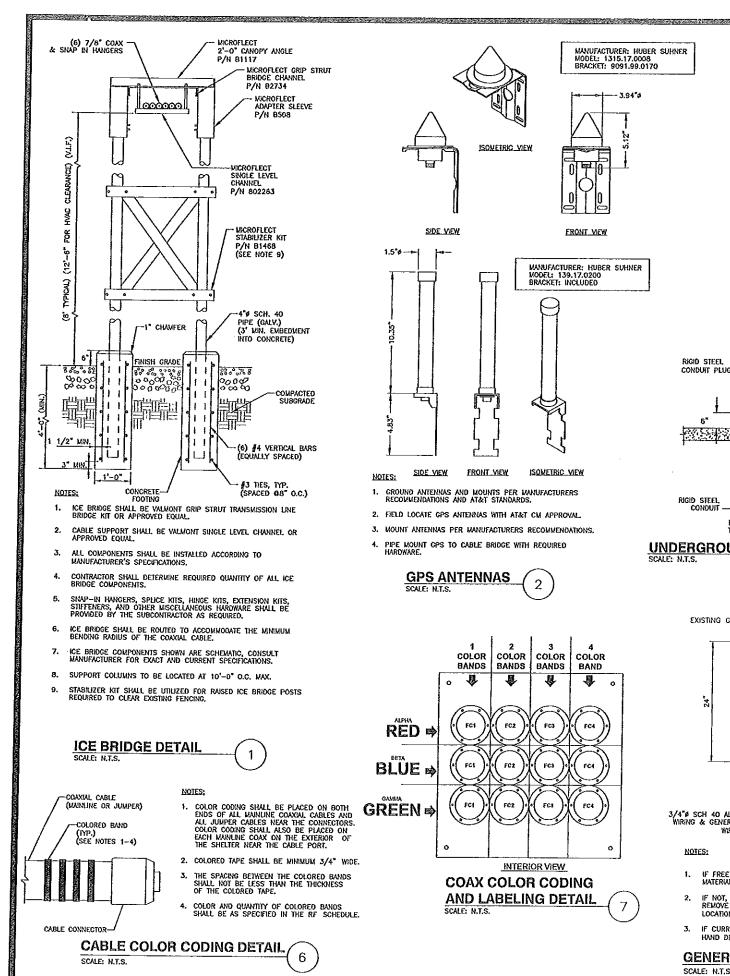
- 1. DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF ALL APPLICABLE CODES INCLUDING: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- 2. MX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE AND SUBMITTED TO ENGINEER PRIOR TO PLACING CONCRETE.
- CONCRETE SHALL BE NORMAL WEIGHT, 6 % AIR ENTRAINED (+/- 1.5%) WITH A MAXIMUM 4" SLUMP AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED.
- 4. THE FOLLOWING MATERIALS SHALL BE USED: PORTLAND CEMENT: ASTM C-150, TYPE 1 OR 2 REINFORCEMENT: ASTM A-185, PLAIN STEEL WELDED WIRE FABRIC REINFORCEMENT BARS: ASTM A615, GRADE 60, DEFORMED NORWAL WEIGHT AGGREGATE: ASTM C-33 WATER: DRINKABLE ADMOSTURES: NON-CHLORIDE CONTAINING
- 5. WINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS (UNLESS OTHERWISE NOTED): A. CONCRETE CAST AGAINST EARTH: 3" B. ALL OTHER CONCRETE: 2*
- 6. A 3/4" CHAVER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH ACI 301 SECTION 4.2.4, UNLESS NOTED OTHERWISE.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL, OR ROD SHALL, CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS, NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN
- 8. ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI 301.
- 9. DO NOT WELD OR TACK WELD REINFORCING STEEL.
- 10. ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUTS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED TIEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
- 11. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
- 12. DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND
- 13. DO NOT ALLOW REINFORCEMENT, CONCRETE OR SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 3 DAYS AFTER PLACEMENT.
- 14. FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN ETHER CASE, MATERIALS CONTAINING CHLORIDE, CALGIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS, MINHUM.
- 15. CONCRETE SHALL BE RUBBED TO A ROUGH GROUT FINISH. PADS SHALL BE SEALED BY STEEL TROWEL
- 16. UNLESS OTHERWISE NOTED:
- A ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- 17. SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS OR AS ACCEPTED BY THE ENGINEER, UNLESS OTHERWISE SHOWN OR NOTED REINFORCING STEEL SHALL BE SPLICED TO DEVELOP ITS FULL TENSILE CAPACITY (CLASS A) IN ACCORDANCE WITH ACI 318.
- 18. REINFORCING BAR DEVELOPMENT LENGTHS, AS COMPUTED IN ACCORDANCE WITH ACI 318, FORM THE BASIS FOR BAR EMBEDMENT LENGTHS AND BAR SPLICED LENGTHS SHOWN IN THE DRAWINGS. APPLY APPROPRIATE MODIFICATION FACTORS FOR TOP STEEL, BAR SPACING, COVER AND THE LIKE.
- 19. DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).
- 20. ALL SLAB CONSTRUCTION SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS SHOWN IN THE CONTRACT DRAWINGS.
- 21. LOCATION OF ALL CONSTRUCTION JOINTS ARE SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONFORMANCE WITH ACI 318, AND ACCEPTANCE OF THE ENGINEER. DRAWINGS SHOWING LOCATION OF DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED WITH REINFORCING STEEL, PLACEMENT DRAWINGS
- 22. SPLICES OF WWF, AT ALL SPLICED EDGES, SHALL BE SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRE PLUS 2 INCHES, NOR LESS THAN 8".
- 23. BAR SUPPORTS SHALL BE ALL-GALVINIZED METAL WITH PLASTIC TIPS.
- 24. ALL REINFORCEMENT SHALL BE SECURELY THED IN PLACE TO PREVENT DISPLACEMENT BY CONSTRUCTION TRAFFIC OR CONCRETE. THE WIRE SHALL BE 16 GAUGE CONFORMING TO ASTM AB2
- 25. SLAB ON CROUND
- A. COMPACT STRUCTURAL FILL TO 95% DENSITY AND THEN PLACE 6" GRAVEL BENEATH SLAB, 8. PROVIDE VAPOR BARRIER BENEATH SLAB ON GROUND.

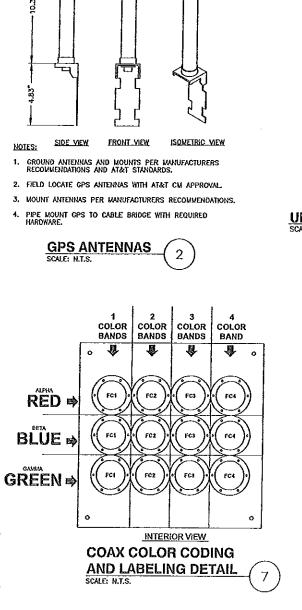












ISOMETRIC VIEW

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SIDE VIEW

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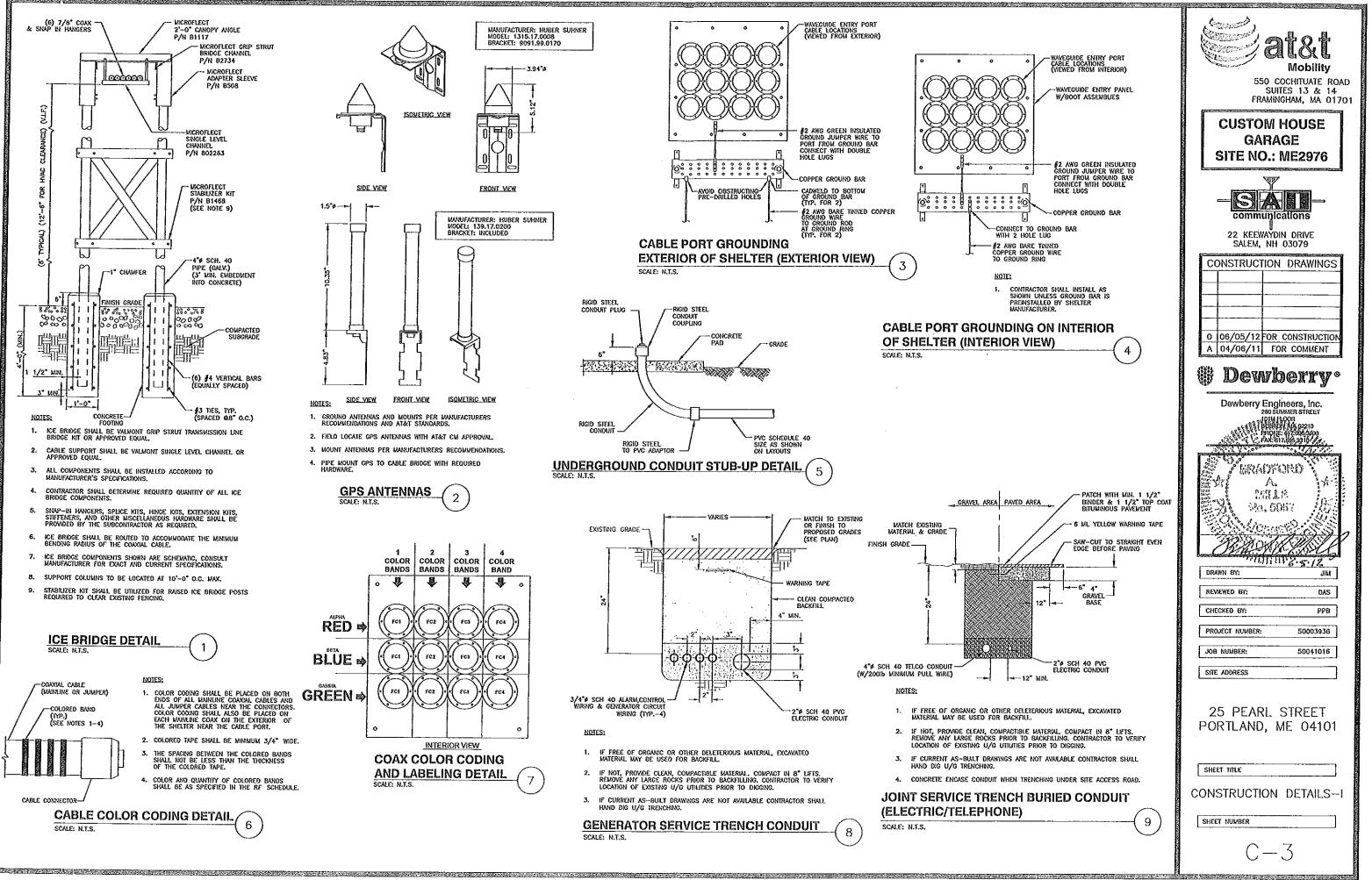
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FRONT VIEW

MANUFACTURER: HUBER SUHNER MODEL: 139.17.0200 BRACKET: INCLUDED



PAGE 1 OF 8

B-16-295

2-DIST B.I.N. B82 6

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MASSACHUSETTS DEPARTMENT OF TRANSPORTATION BR. DEPT. NO. STRUCTURES INSPECTION FIELD REPORT SPECIAL MEMBER INSPECTION

CITY/TOWN Boston	8 - STRUCTURES NO. B16295-B82-PRI-BLD		11 - MILE POINT	1	90 – ROUTINE INSP. DATE 10/15/2008		3 – *SPEC. MEMB. INSP. DATE 4/4/2012	
07 – FACILITY CARRIED Interstate 90 – Eastbo Westbound	ound &	MEMORIAL NAME Prudential Tur		27 - YR BUILT 0000	106 - YR REBUILT *YR REHAD 0000 0000		*YR REHAB'D (NON 106) 0000	
06 FEATURES INTERSECTED Shaws Market		26 – FUNCTIONAL CLASS Principal Arterial-Interstate-Urban			TEAM LEADER A. Kurian, P.E.			
INSPECTION ENGINEER M. P. Griffin, P.E.	22 – OWNE Private	R 21 – MAINTAINER 43a - CONST Private TYPE Cast In Pla			D. Reip, P.E.			
CONTRACT(S) WEATHER Varied		TEMP. (air) Varied	43b – STRUC Building	TURE TYPE	TEAM MEMBERS S. Gambarov, E. Mena		na	

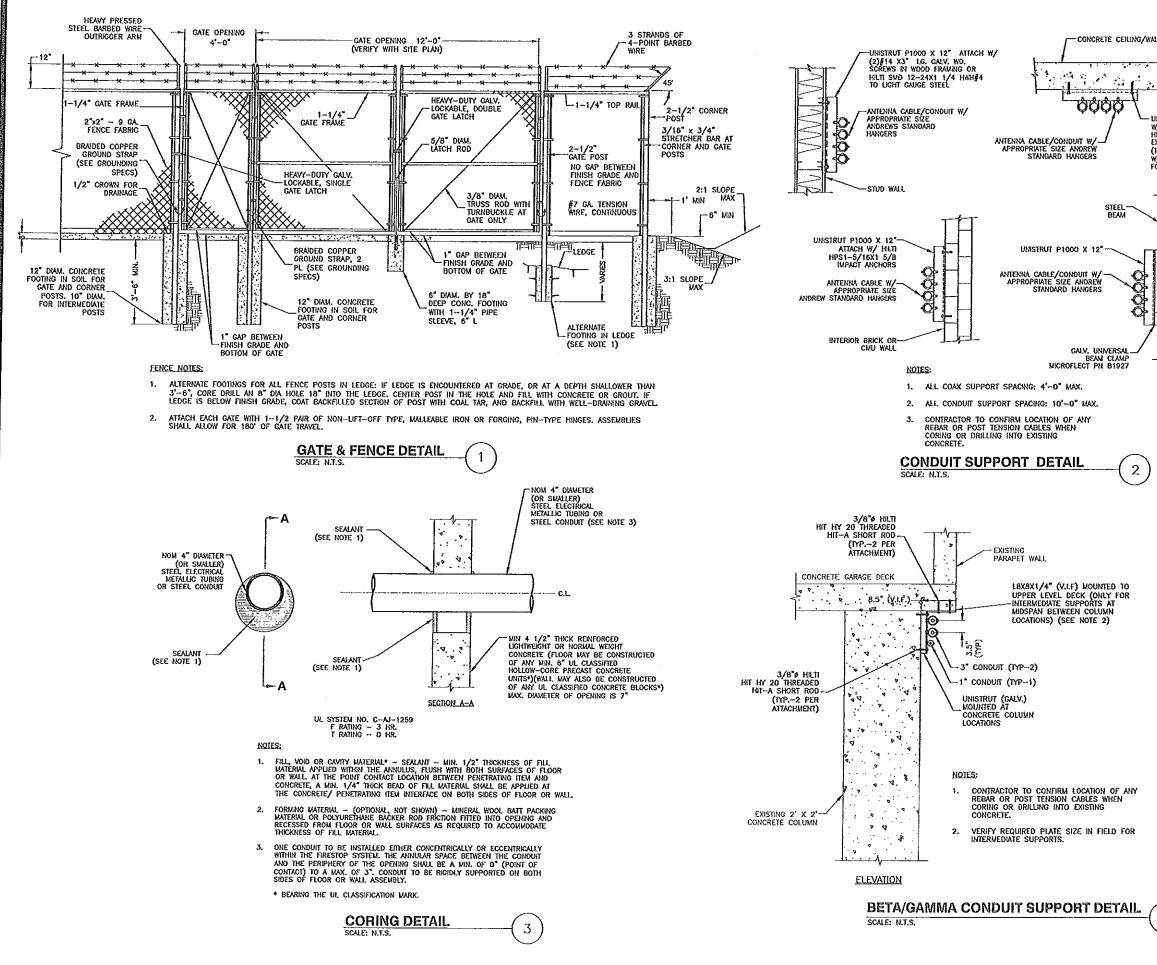
SPECIAL MEMBER(S):

		CONDITION							
	MEMBER	PREVIOUS	PRESENT	Deficiencies	COMMENTS				
		(0-9)	(0-9)						
A	ITEM 62c.17 – Conc. Panel Utility Sup	3	3	S/A	See remarks in comments section.				
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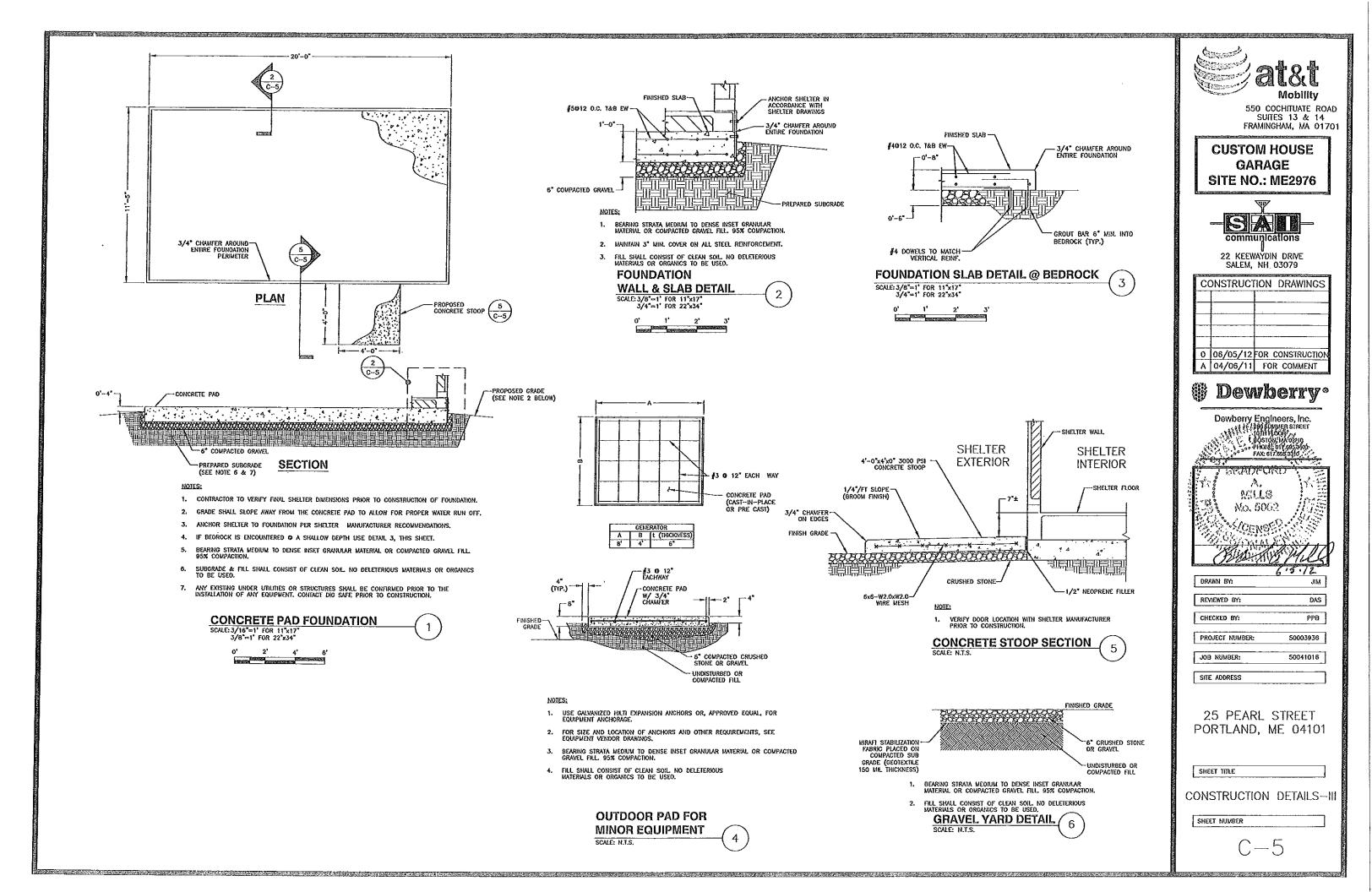
List of field tests performed:		I-62a	I-62b	I-62c	I-62d	l-62e	I-62f	l-62g
	(Overall Previous Condition)			4				
	(Overall Current Condition)			4				

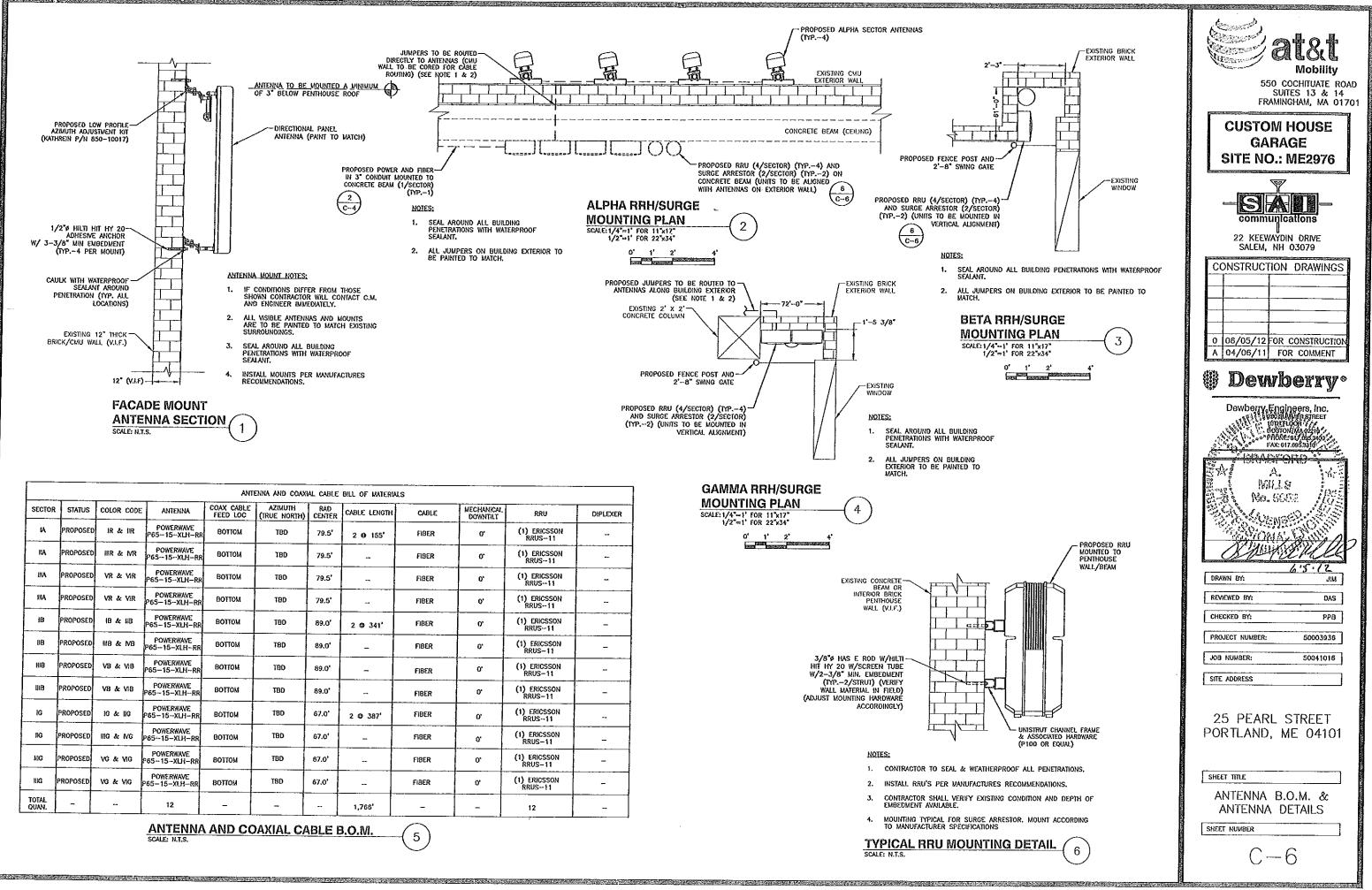
DEFICIENCY: A defect in a structure that requires corrective action.
CATEGORIES OF DEFICIENCIES:
C-H = Critical-Hazard Deficiency - A deficiency in a component or element of a tunnel that poses an extreme hazard or unsafe condition to the public, but does not impair the structural integrity of the tunnel. Examples include but are not limited to: Loose concrete hanging down over traffic, loose bolts supporting ceiling panels, missing section of roadway joint, etc.
C-S = Critical-Structural Deficiency - A deficiency in a structural element in a tunnel that poses an extreme unsafe condition to the public due to a failure or an imminent failure of the element that will affect the structural Integrity of the tunnel.
M = Minor Deficiency Deficiencies which are minor in nature, generally do not impact the structural integrity of the tunnel and could easily be repaired. Examples include but are not limited to: Spalled concrete, minor potholes, minor corrosion to steel, clogged drainage, etc.
S = Severe/Major Deficiency - Deficiencies which are more extensive in nature and need more planning and effort to repair. Examples include but are not limited to: moderate to major deterioration in concrete, exposed and corroding rebar, considerable settlement, considerable leaking, moderate to extensive corrosion to steel with measurable loss of section, etc.
URGENCY OF REPAIR:
I = Immediate - (Inspector(s) stay at the bridge until District Maintenance crew or the responsible Agency crew (if not a State bridge) show up and corrective action is taken).
A = ASAP - [Action will be taken by District MaIntenance Engineer or the Responsible Agency (if not a State owned bridge) upon receipt of the Inspection Report].
P ≈ Prioritize – [Shall be prioritized by District Maintenance Engineer or the Responsible Agency (if not a State owned bridge) and repairs made when funds and/or manpower available].

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N=NOT APPLICABLE /H=HIDDEN/INACCESSIBLE R=REMOVED
X=UNKNOWN
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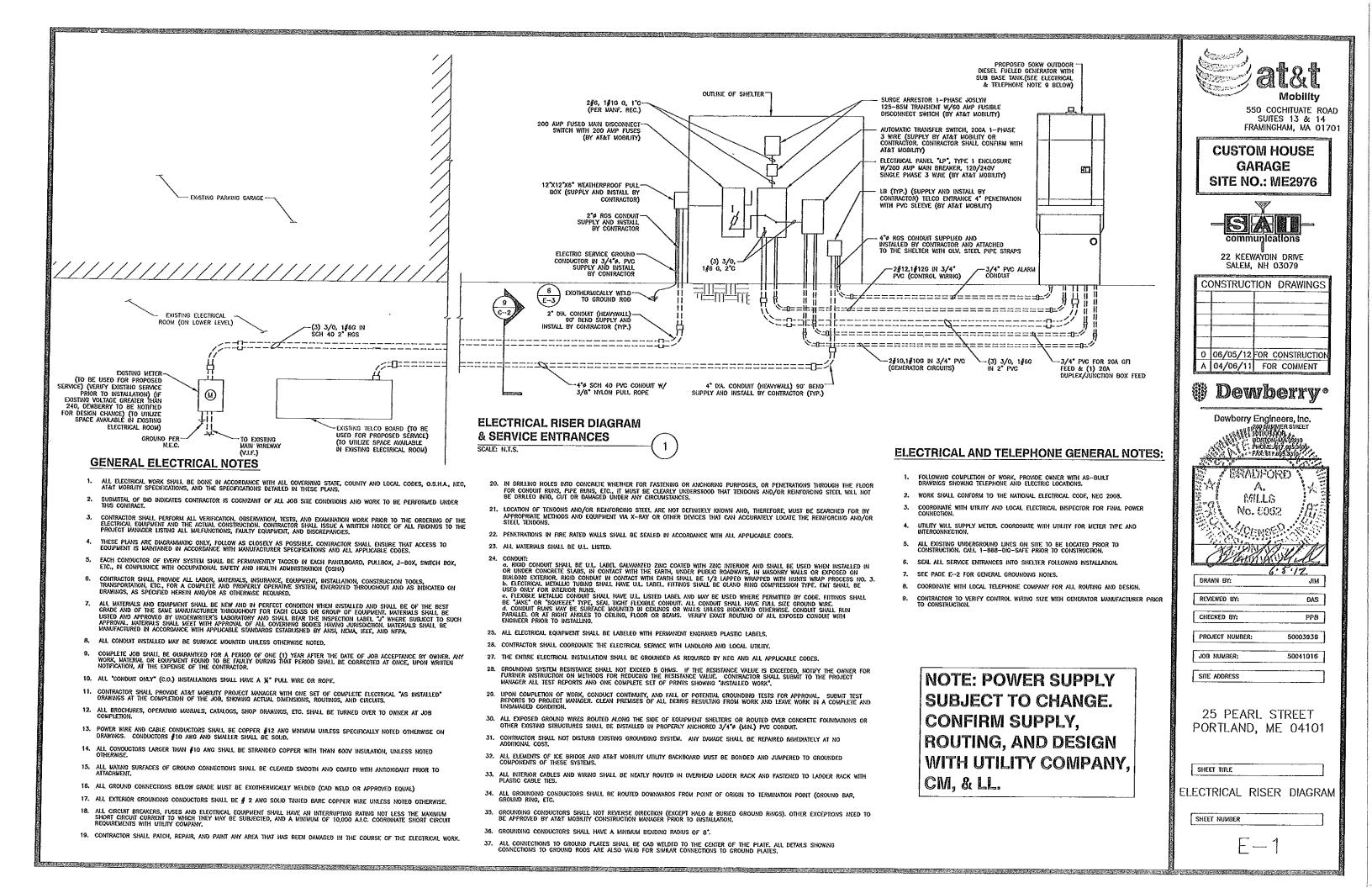
<complex-block></complex-block>	CONSTRUCTION DRAWINGS
<complex-block><complex-block></complex-block></complex-block>	Dewberry Engineers, Inc. Bestown and the street Bestown and the street A. Miller Maller DRAWN BY: DRAWN

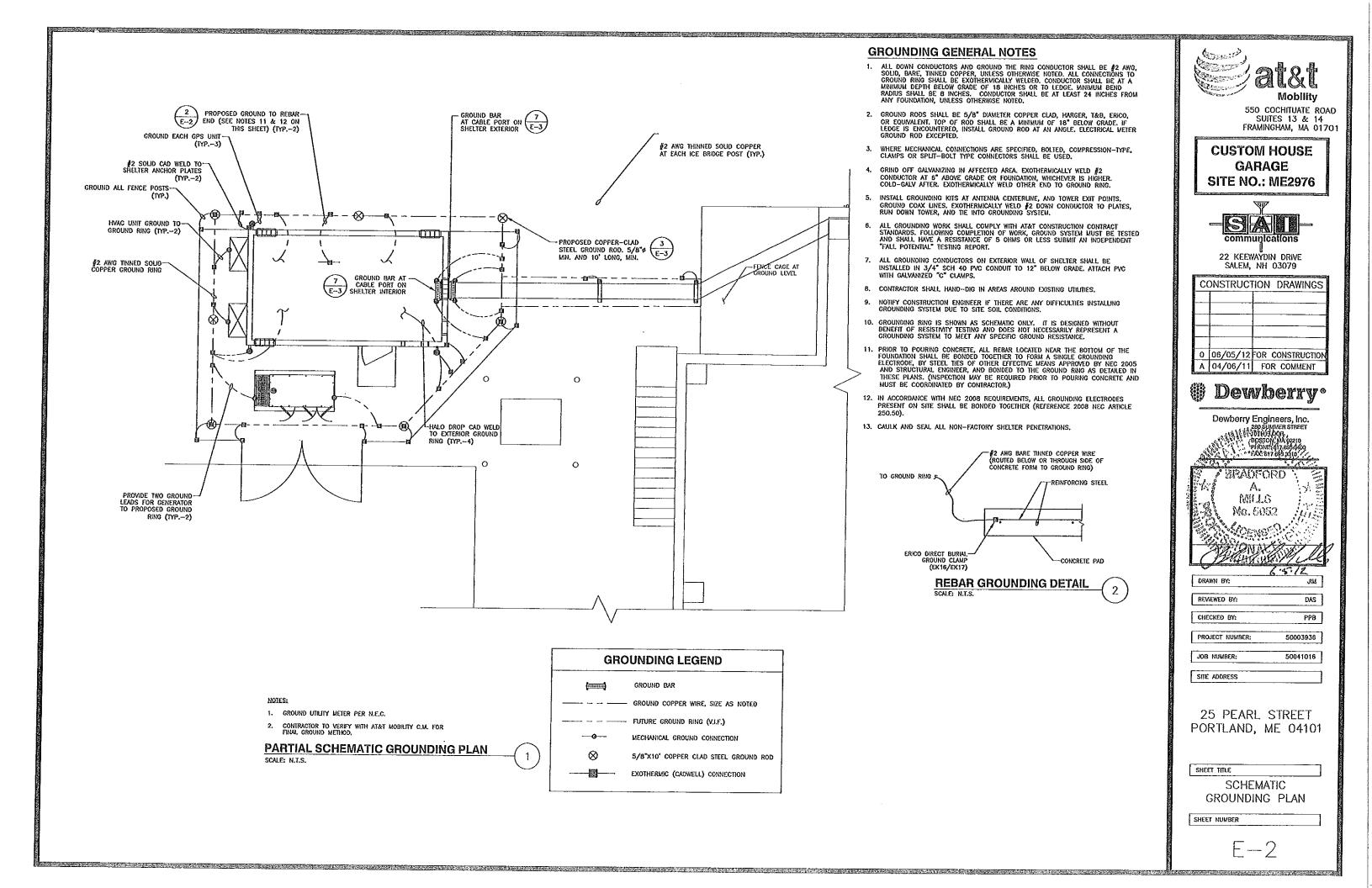


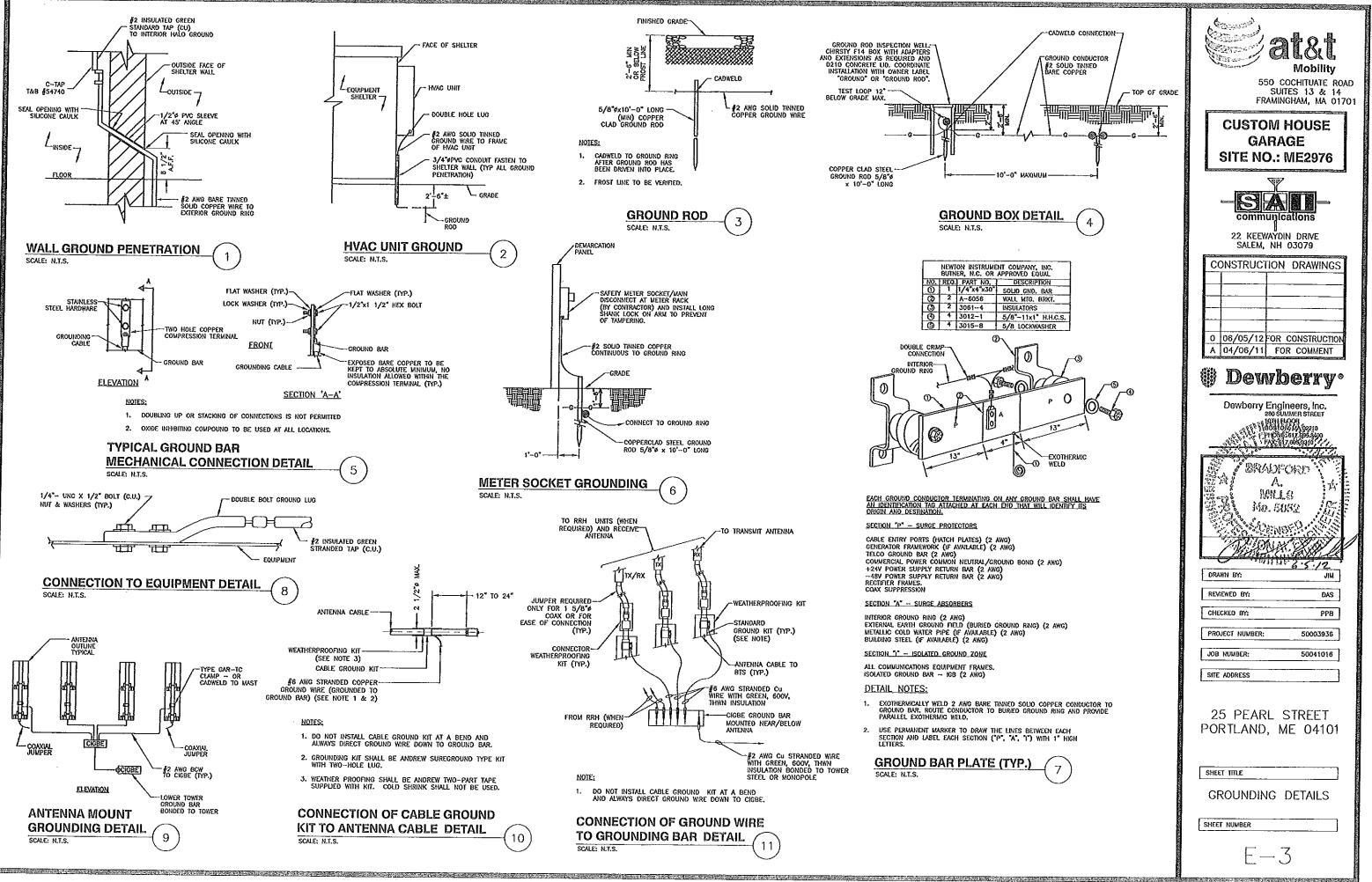


SECTOR	STATUS	COLOR CODE	ANTENNA	COAX CABLE FEED LOC	AZIMUTH (TRUE NORTH)	RAD CENTER	CABLE LENGTH	CABLE	MECHANICAL DOWNTILT	RRU	DIPLEXER
и	PROPOSED	ir & tir	POWERWAVE P6515XLH-RR	BOTTOM	TBD	79.5'	2 9 155'	FIBER	0*	(1) ERICSSON RRUS-11	
IA.	PROPOSED	IIR & MR	POWERWAVE P6515XLH-RR	BOTTOM	TBD	79.5'	-	FIBER	0.	(1) ERICSSON RRUS-11	
BIA	PROPOSED	VR & VIR	POWERWAVE P65-15-XLH-RR	воттом	TBD	79.5'	-	FIBER	0,	(1) ERICSSON RRUS-11	-
IIIA	PROPOSED	VR & VIR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5'	-	FIBER	0'	(1) ERICSSON RRUS-11	
18	PROPOSED	18 & 118	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	89.0'	2 @ 341'	FIBER	0,	(1) ERICSSON RRUS11	_
118	PROPOSED	188 & NB	POWERWAVE P6515-XLH-RR	BOTTOM	TBD	89,0'	-	FIBER	0°	(1) ERICSSON RRUS-11	_
HIB	PROPOSED	VB & V B	POWERWAVE P65-15-XLHRR	вотгом	TBD	89.0'	-	FIBER	0,	(1) ERICSSON RRUS-11	**
UIB	PROPOSED	VB & VIB	POWERWAVE P65-15-XLH-RR	воттом	TBD	89.0	-	FIBER	0.	(1) ERICSSON RRUS-11	_
iG	PROPOSED	1G & 11G	POWER₩AVE P65-15-XLH-RR	воттом	TBD	67.0'	2 @ 387'	Fiber	0,	(1) ERICSSON RRUS-11	
JiG	PROPOSED	IIIG & NG	POWERWAVE P65~15-XLH-RR	воттом	TBD	67.0'	-	FIBER	0,	(1) ERICSSON RRUS-11	_
liig	PROPOSED	VG & VIG	POWERWAVE P65~15~XLH-RR	воттом	TBD	67.0'	-	FIBER	0,	(1) ERICSSON RRUS-11	_
liig	PROPOSED	VG & VIG F	POWERWAVE P65-15-XLH-RR	воттом	TBD	67.0'	-	FIBER	0'	(1) ERICSSON RRUS11	
TOTAL. QUAN.	-	-	12	-	-	_]	1,766'	-		12	

1	NOTE	S:
1	۱.	CONTRACTOR TO SEAL & WEATHERPROO
:	2.	INSTALL RRU'S PER MANUFACTURES RE
		CONTRACTOR SHALL VERIFY EXISTING CO EMBEDMENT AVAILABLE.
4		MOUNTING TYPICAL FOR SURGE ARRESTO TO MANUFACTURER SPECIFICATIONS







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